

CATALOG **C-616**



# **SPRAGUE**

**CAPACITORS · RESISTORS  
PRINTED CIRCUITS · FILTERS  
CAPACITOR ANALYZERS**

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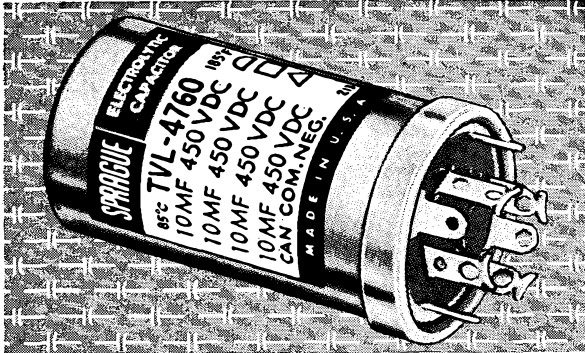
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# SPRAGUE CAPACITORS

## TVL TWIST-LOK® ELECTROLYTICS



- Hermetically Sealed in Aluminum Cans for Long Life and Dependable Performance in TV, Radio and Hi-Fi
- Designed for 85°C (185°F) Operation
- Stand Up Under Extremely High Temperatures Often Encountered in TV, Hi-Fi, and Auto Radio Cabinets
- Withstand High Surge Voltages
- Ideal for High Ripple Selenium Rectifier Circuits
- Can Be Safely Mounted "Above Ground" Using Phenolic Mounting Plate and Insulating Tube
- Easy to Mount—Unit Locks Firmly in Place with a Twist of the Tabs
- Furnished Complete with Both Phenolic and Metal Mounting Plates

Bold type indicates popular items and light type indicates less popular items. An asterisk (\*) indicates that another listed capacitor of higher voltage rating, as shown in the Interchangeability Guide on page 10, may be a possible alternate for replacement if the listed capacitor is not available.

μF	WVDC	Dia. x Length	Cat. No.	List	μF	WVDC	Dia. x Length	Cat. No.	List
<b>SINGLE UNITS</b>									
.5Ω@15.75 KC	3N.P.	1 x 2	TVLN-1010	\$2.10	<b>*150</b>	<b>150</b>	<b>1 3/8 x 3</b>	<b>TVL-1430</b>	<b>\$2.15</b>
1Ω@60 CPS	3N.P.	1 3/8 x 2 1/2	TVLN-1015	3.20	<b>*200</b>	<b>150</b>	<b>1 3/8 x 2</b>	<b>TVL-1431</b>	<b>2.45</b>
10Ω@30 CPS	3N.P.	3/4 x 2	TVLN-1020	2.20	<b>200</b>	<b>150</b>	<b>1 x 3 1/2</b>	<b>TVL-1431.1</b>	<b>2.45</b>
<b>*1000</b>	<b>6</b>	<b>1 3/8 x 2</b>	<b>TVL-1112</b>	<b>2.15</b>	<b>300</b>	<b>150</b>	<b>1 3/8 x 2</b>	<b>TVL-1434</b>	<b>2.80</b>
<b>*2000</b>	<b>6</b>	<b>1 3/8 x 2</b>	<b>TVL-1115</b>	<b>3.05</b>	<b>* 40</b>	<b>200</b>	<b>1 x 2</b>	<b>TVL-1460</b>	<b>1.70</b>
<b>*1000</b>	<b>10</b>	<b>1 x 2 1/2</b>	<b>TVL-1125</b>	<b>2.30</b>	<b>125</b>	<b>200</b>	<b>1 x 2 1/2</b>	<b>TVL-1470</b>	<b>2.80</b>
<b>*3000</b>	<b>10</b>	<b>1 3/8 x 2 1/2</b>	<b>TVL-1140</b>	<b>2.90</b>	<b>160</b>	<b>200</b>	<b>1 3/8 x 3</b>	<b>TVL-1473</b>	<b>3.15</b>
<b>225</b>	<b>15</b>	<b>3/4 x 2</b>	<b>TVL-1160</b>	<b>1.75</b>	<b>200</b>	<b>200</b>	<b>1 3/8 x 2</b>	<b>TVL-1475</b>	<b>3.15</b>
<b>1000</b>	<b>15</b>	<b>1 x 1 1/2</b>	<b>TVL-1165</b>	<b>2.55</b>	<b>500</b>	<b>200</b>	<b>1 3/8 x 4</b>	<b>TVL-1490</b>	<b>3.65</b>
<b>1500</b>	<b>15</b>	<b>1 x 3</b>	<b>TVL-1167</b>	<b>2.75</b>	<b>* 15</b>	<b>250</b>	<b>1 x 2</b>	<b>TVL-1505</b>	<b>1.55</b>
<b>2000</b>	<b>15</b>	<b>1 3/8 x 2</b>	<b>TVL-1168</b>	<b>3.45</b>	<b>* 20</b>	<b>250</b>	<b>1 x 2</b>	<b>TVL-1509</b>	<b>1.60</b>
<b>3000</b>	<b>15</b>	<b>1 3/8 x 2</b>	<b>TVL-1170</b>	<b>4.25</b>	<b>* 30</b>	<b>250</b>	<b>1 x 2</b>	<b>TVL-1516</b>	<b>1.70</b>
<b>4000</b>	<b>15</b>	<b>1 3/8 x 3 1/2</b>	<b>TVL-1173</b>	<b>3.75</b>	<b>* 40</b>	<b>250</b>	<b>1 x 2</b>	<b>TVL-1519</b>	<b>1.80</b>
<b>* 25</b>	<b>25</b>	<b>3/4 x 2</b>	<b>TVL-1207</b>	<b>1.25</b>	<b>* 50</b>	<b>250</b>	<b>1 x 2 1/2</b>	<b>TVL-1522</b>	<b>2.05</b>
<b>* 40</b>	<b>25</b>	<b>3/4 x 2</b>	<b>TVL-1210</b>	<b>1.35</b>	<b>* 60</b>	<b>250</b>	<b>1 x 3</b>	<b>TVL-1525</b>	<b>2.05</b>
<b>* 50</b>	<b>25</b>	<b>1 x 2</b>	<b>TVL-1211</b>	<b>1.35</b>	<b>* 80</b>	<b>250</b>	<b>1 x 3 1/2</b>	<b>TVL-1530</b>	<b>2.15</b>
<b>* 100</b>	<b>25</b>	<b>3/4 x 2</b>	<b>TVL-1215</b>	<b>1.60</b>	<b>*100</b>	<b>250</b>	<b>1 x 3</b>	<b>TVL-1535</b>	<b>2.70</b>
<b>500</b>	<b>25</b>	<b>1 x 1 1/2</b>	<b>TVL-1220</b>	<b>2.55</b>	<b>150</b>	<b>250</b>	<b>1 x 3</b>	<b>TVL-1539</b>	<b>3.10</b>
<b>*1000</b>	<b>25</b>	<b>1 3/8 x 2</b>	<b>TVL-1230</b>	<b>3.55</b>	<b>150</b>	<b>250</b>	<b>1 3/8 x 2 1/2</b>	<b>TVL-1540</b>	<b>3.10</b>
<b>750</b>	<b>35</b>	<b>1 3/8 x 2</b>	<b>TVL-1260</b>	<b>3.05</b>	<b>200</b>	<b>250</b>	<b>1 3/8 x 3 1/2</b>	<b>TVL-1547</b>	<b>3.65</b>
<b>4</b>	<b>50</b>	<b>3/4 x 2</b>	<b>TVL-1305</b>	<b>1.55</b>	<b>* 15</b>	<b>300</b>	<b>1 x 2</b>	<b>TVL-1560</b>	<b>1.60</b>
<b>25</b>	<b>50</b>	<b>3/4 x 2</b>	<b>TVL-1308</b>	<b>1.30</b>	<b>* 30</b>	<b>300</b>	<b>1 x 2</b>	<b>TVL-1563</b>	<b>1.75</b>
<b>100</b>	<b>50</b>	<b>3/4 x 2</b>	<b>TVL-1317</b>	<b>1.65</b>	<b>* 50</b>	<b>300</b>	<b>1 x 2 1/2</b>	<b>TVL-1567</b>	<b>2.05</b>
<b>150</b>	<b>50</b>	<b>3/4 x 2 1/2</b>	<b>TVL-1320</b>	<b>1.80</b>	<b>* 60</b>	<b>300</b>	<b>1 x 3</b>	<b>TVL-1570</b>	<b>2.10</b>
<b>250</b>	<b>50</b>	<b>1 x 2 1/2</b>	<b>TVL-1324</b>	<b>2.00</b>	<b>80</b>	<b>300</b>	<b>1 x 2 1/2</b>	<b>TVL-1573</b>	<b>2.55</b>
<b>500</b>	<b>50</b>	<b>1 3/8 x 2</b>	<b>TVL-1330</b>	<b>2.65</b>	<b>100</b>	<b>300</b>	<b>1 x 4</b>	<b>TVL-1578</b>	<b>2.90</b>
<b>1000</b>	<b>50</b>	<b>1 3/8 x 2 1/2</b>	<b>TVL-1338</b>	<b>3.75</b>	<b>*125</b>	<b>300</b>	<b>1 3/8 x 3 1/2</b>	<b>TVL-1580</b>	<b>3.50</b>
<b>1500</b>	<b>50</b>	<b>1 3/8 x 3</b>	<b>TVL-1341</b>	<b>4.40</b>	<b>*150</b>	<b>300</b>	<b>1 3/8 x 3 1/2</b>	<b>TVL-1584</b>	<b>3.50</b>
<b>* 10</b>	<b>150</b>	<b>1 x 2</b>	<b>TVL-1403</b>	<b>1.30</b>	<b>250</b>	<b>300</b>	<b>1 3/8 x 4</b>	<b>TVL-1590</b>	<b>5.55</b>
<b>* 20</b>	<b>150</b>	<b>1 x 2</b>	<b>TVL-1405</b>	<b>1.45</b>	<b>* 10</b>	<b>350</b>	<b>1 x 2</b>	<b>TVL-1605</b>	<b>1.50</b>
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<b>* 30</b>	<b>150</b>	<b>1 x 2</b>	<b>TVL-1408</b>	<b>1.55</b>	<b>* 20</b>	<b>350</b>	<b>1 x 2</b>	<b>TVL-1612</b>	<b>1.70</b>
<b>* 40</b>	<b>150</b>	<b>1 x 2</b>	<b>TVL-1412</b>	<b>1.60</b>	<b>* 30</b>	<b>350</b>	<b>1 x 2</b>	<b>TVL-1617</b>	<b>1.90</b>
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<b>* 60</b>	<b>150</b>	<b>1 x 2</b>	<b>TVL-1417</b>	<b>1.75</b>	<b>* 50</b>	<b>350</b>	<b>1 x 2</b>	<b>TVL-1622</b>	<b>2.10</b>
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<b>120</b>	<b>150</b>	<b>1 3/8 x 2 1/2</b>	<b>TVL-1426</b>	<b>2.15</b>	<b>320</b>	<b>350</b>	<b>1 3/8 x 4</b>	<b>TVL-1645</b>	<b>5.75</b>
<b>140</b>	<b>150</b>	<b>1 x 2 1/2</b>	<b>TVL-1428</b>	<b>2.15</b>	<b>* 10</b>	<b>400</b>	<b>1 x 2</b>	<b>TVL-1655</b>	<b>1.50</b>
<b>150</b>	<b>150</b>	<b>1 x 3</b>	<b>TVL-1429</b>	<b>2.15</b>	<b>* 20</b>	<b>400</b>	<b>1 x 2</b>	<b>TVL-1660</b>	<b>1.75</b>
					<b>* 40</b>	<b>400</b>	<b>1 3/8 x 2</b>	<b>TVL-1663</b>	<b>2.00</b>
					<b>50</b>	<b>400</b>	<b>1 3/8 x 2 1/2</b>	<b>TVL-1666</b>	<b>2.25</b>
					<b>* 80</b>	<b>400</b>	<b>1 3/8 x 3</b>	<b>TVL-1675</b>	<b>2.95</b>
					<b>*100</b>	<b>400</b>	<b>1 3/8 x 3 1/2</b>	<b>TVL-1679</b>	<b>3.40</b>

# SPRAGUE CAPACITORS

## TVL TWIST-LOK ELECTROLYTICS, continued

$\mu$ F	WVDC	Dia.x Lgth.	Cat. No.	List	$\mu$ F	WVDC	Dia.x Lgth.	Cat. No.	List
4	450	1 x 2	TVL-1702	\$1.40	* 60-60	150-150	1 x 3½	TVL-2438	\$2.35
* 10	450	1 x 2	TVL-1705	1.55	70-30	150-150	1 x 2	TVL-2439	2.20
15	450	1 x 2	TVL-1709	1.70	75-75	150-150	1 x 3	TVL-2440	2.60
* 20	450	1 x 2	TVL-1714	1.80	* 80-40	150-150	1½ x 2½	TVL-2442	2.30
25	450	1 x 2	TVL-1716	1.90	80-50	150-150	1 x 2½	TVL-2442.1	2.40
* 30	450	1 x 2½	TVL-1720	1.95	80-60	150-150	1 x 3	TVL-2442.2	2.50
* 40	450	1 x 3	TVL-1725	2.05	* 80-80	150-150	1½ x 2	TVL-2442.4	2.65
50	450	1 x 3	TVL-1728	2.35	100-30	150-150	1 x 2½	TVL-2442.7	2.55
60	450	1½ x 2½	TVL-1730	2.60	* 100-100	150-150	1½ x 2½	TVL-2443	3.25
* 80	450	1½ x 2½	TVL-1735	3.05	125-100	150-150	1½ x 2½	TVL-2443.3	3.35
100	450	1½ x 3	TVL-1750	3.45	150-80	150-150	1½ x 2½	TVL-2443.5	3.05
125	450	1½ x 4	TVL-1760	3.85	* 150-150	150-150	1½ x 3	TVL-2443.7	3.50
150	450	1½ x 4	TVL-1770	4.80	* 200-5	150-150	1½ x 2	TVL-2444	2.70
* 20	475	1 x 2½	TVL-1807	1.85	200-125	150-150	1½ x 3½	TVL-2445	3.75
* 30	475	1 x 3	TVL-1810	2.00	200-150	150-150	1½ x 4	TVL-2446	3.75
40	475	1½ x 2	TVL-1820	2.50	* 200-200	150-150	1½ x 2½	TVL-2447	4.00
* 90	475	1½ x 3½	TVL-1850	3.50	60-125	200-25	1 x 3	TVL-2453	2.40
10	500	1 x 1½	TVL-1940	1.70	* 30-10	200-50	1 x 2	TVL-2455	1.85
20	500	1 x 2½	TVL-1943	1.85	* 100-100	200-50	1½ x 2½	TVL-2458	2.85
30	500	1 x 2½	TVL-1947	2.00	60-300	200-150	1½ x 2½	TVL-2560.5	3.70
40	500	1 x 3	TVL-1950	2.50	* 40-40	200-200	1 x 3	TVL-2460	2.30
80	500	1½ x 3	TVL-1958	3.60	60-60	200-200	1 x 3	TVL-2461	3.40
90	500	1½ x 3	TVL-1960	3.50	60-60	200-200	1½ x 2	TVL-2462	3.40
15	525	1½ x 3	TVL-1980	1.85	* 100-100	200-200	1½ x 3	TVL-2464	3.50
					200-5	200-200	1½ x 2	TVL-2470	3.05
					40-350	250-15	1½ x 2	TVL-2502	2.75
					40-25	250-25	1 x 2½	TVL-2505	2.00
					* 50-100	250-50	1½ x 2	TVL-2507	2.60
					* 80-100	250-50	1½ x 2½	TVL-2508	2.85
					100-150	250-50	1½ x 3	TVL-2509	3.65
					40-25	250-150	1 x 2½	TVL-2509.7	2.15
					* 10-10	250-250	1 x 2	TVL-2510	1.70
					* 20-20	250-250	1 x 1½	TVL-2515	1.90
					* 30-30	250-250	1 x 2½	TVL-2517	2.30
					40-20	250-250	1 x 3	TVL-2519	2.20
					40-40	250-250	1 x 2	TVL-2520	2.50
					150-40	250-250	1½ x 3	TVL-2534	3.85
					150-150	250-250	1½ x 4	TVL-2535	5.15
					200-200	250-250	1½ x 4	TVL-2538	6.05
					35-500	300-6	1 x 2½	TVL-2552	2.85
					* 20-20	300-25	1 x 2	TVL-2555	1.85
					20-100	300-25	1 x 2½	TVL-2556	2.15
					10-40	300-50	1 x 2	TVL-2557	1.70
					* 80-100	300-50	1½ x 3	TVL-2559	3.15
					80-100	300-150	1½ x 2½	TVL-2560	3.65
					60-10	300-200	1 x 3½	TVL-2561	2.55
					100-100	300-200	1 x 3½	TVL-2562	4.30
					20-60	300-250	1 x 3½	TVL-2563	2.75
					* 10-10	300-300	1 x 2	TVL-2565	1.75
					* 15-15	300-300	1 x 2	TVL-2568	1.85
					40-30	300-300	1 x 3	TVL-2574	2.65
					* 40-40	300-300	1½ x 2	TVL-2575	2.95
					* 50-50	300-300	1½ x 2½	TVL-2576	3.30
					* 60-20	300-300	1½ x 2½	TVL-2578	2.80
					* 60-60	300-300	1½ x 2½	TVL-2579	3.40
					75-75	300-300	1½ x 3	TVL-2580	3.80
					* 80-40	300-300	1½ x 2½	TVL-2582	3.50
					* 80-60	300-300	1½ x 3½	TVL-2584	3.70
					80-80	300-300	1½ x 3	TVL-2585	4.05
					120-20	300-300	1½ x 3½	TVL-2588	4.00
					* 120-40	300-300	1½ x 3½	TVL-2589	4.35
					150-100	300-300	1½ x 3	TVL-2591	5.40
					200-80	300-300	1½ x 4½	TVL-2593	5.55
					* 20-20	350-25	1 x 2	TVL-2604	1.85
					40-20	350-25	1 x 2½	TVL-2605	2.30
					* 80-100	350-50	1½ x 3	TVL-2607	3.45
					20-100	350-75	1 x 2½	TVL-2608	2.25

### DUAL UNITS

.5µ @ 15 75 KC		1½ x 2	TVL-2010	\$3.60
2.5µ @ 60 CPS		1½ x 2	TVLN-2120	3.90
1000-500	6N.P.-6N.P.	1½ x 2	TVL-2140	2.85
250-1000	10-6	1 x 2	TVL-2151	1.60
200-40	10-10	1 x 2	TVL-2155	2.55
500-150	15-15	1 x 2	TVL-2157	3.25
500-500	15-15	1 x 2	TVL-2160	4.40
1000-1000	15-15	1 x 3½	TVL-2161	4.40
1000-1000	15-15	1½ x 2½	TVL-2170	2.75
250-250	16-16	1 x 2	TVL-2175	2.50
500-100	16-16	1 x 2	TVL-2190	2.70
500-200	16-16	1 x 2	TVL-2179.5	3.05
800-200	16-16	1 x 2½	TVL-2185	3.85
1000-500	16-16	1 x 2½	TVL-2207	1.45
20-20	25-25	1 x 2	TVL-2210	1.60
* 40-40	25-25	1 x 2	TVL-2224	1.80
100-70	25-25	1 x 2	TVL-2230	1.90
150-50	25-25	1½ x 2	TVL-2233	4.40
500-500	25-25	1½ x 2	TVL-2239	5.50
1000-500	25-25	1½ x 2	TVL-2320	1.70
* 50-50	50-50	1 x 1½	TVL-2324	1.90
100-25	50-50	1 x 2	TVL-2326	2.10
100-100	50-50	1 x 1½	TVL-2404	2.45
50-500	150-5	1 x 3	TVL-2408	1.70
* 40-20	150-25	1 x 2	TVL-2409	2.05
40-150	150-25	1 x 2	TVL-2410	2.20
50-150	150-25	1 x 2½	TVL-2411	2.70
150-100	150-25	1½ x 2½	TVL-2412	1.70
* 40-20	150-50	1 x 2	TVL-2413	2.85
150-100	150-50	1 x 3	TVL-2414	1.60
20-10	150-150	1 x 2	TVL-2415	1.70
* 20-20	150-150	1 x 2	TVL-2418	1.75
30-15	150-150	1 x 2	TVL-2420	1.75
30-20	150-150	1 x 2	TVL-2422	1.85
* 30-30	150-150	1 x 1½	TVL-2425	1.85
40-20	150-150	1 x 2	TVL-2427	1.85
* 40-30	150-150	1 x 2	TVL-2428	1.90
* 40-40	150-150	1 x 1½	TVL-2432	2.00
50-30	150-150	1 x 1½	TVL-2435	2.15
50-50	150-150	1 x 1½	TVL-2436	2.05
60-20	150-150	1 x 2		

# SPRAGUE CAPACITORS

## TVL TWIST-LOK ELECTROLYTICS, continued

μF	WVDC	Dia.x Lgth.	Cat. No.	List	μF	WVDC	Dia.x Lgth.	Cat. No.	List
5-75	350-150	1 x 2½	TVL-2610	\$2.10	* 40-40	450-350	1½ x 3	TVL-2737	\$3.30
* 40-10	350-200	1½ x 2	TVL-2612	2.40	30-20	450-400	1 x 3	TVL-2741	2.70
20-30	350-250	1 x 3	TVL-2615	2.30	5.5	<b>450.450</b>	1 x 2	<b>TVL-2748</b>	<b>1.70</b>
* 40-10	350-250	1 x 3	TVL-2617	2.45	* 10-10	<b>450.450</b>	1 x 2	<b>TVL-2750</b>	<b>1.90</b>
* 60-80	350-250	1½ x 3½	TVL-2618	3.70	15-10	450-450	1 x 2½	TVL-2752	2.05
* 20-10	350-300	1 x 2	TVL-2620	2.00	* 15-15	<b>450.450</b>	1 x 2½	<b>TVL-2753</b>	<b>2.25</b>
* 30-30	350-300	1 x 3½	TVL-2621	2.60	<b>20-10</b>	<b>450.450</b>	1 x 2½	<b>TVL-2754</b>	<b>2.25</b>
* 60-20	350-300	1½ x 3½	TVL-2623	2.85	<b>20-20</b>	<b>450.450</b>	1 x 2½	<b>TVL-2755</b>	<b>2.55</b>
* 15-15	<b>350.350</b>	1 x 2	<b>TVL-2625</b>	<b>2.25</b>	* 30-10	<b>450.450</b>	1 x 3	<b>TVL-2767</b>	<b>2.40</b>
* 20-20	350-350	1 x 2	TVL-2626	2.30	* 30-10	450-450	1½ x 2	TVL-2757.2	2.45
30-20	350-350	1 x 3½	TVL-2627	2.55	30-15	450-450	1½ x 2	TVL-2758	2.65
<b>30.30</b>	<b>350.350</b>	<b>1 x 2½</b>	<b>TVL-2628</b>	<b>2.90</b>	* 30-30	<b>450.450</b>	1½ x 2	<b>TVL-2759</b>	<b>3.05</b>
40-40	350-350	1 x 3	TVL-2628.5	3.20	40-5	450-450	1 x 3	TVL-2760	2.55
<b>50.30</b>	<b>350.350</b>	<b>1½ x 2½</b>	<b>TVL-2630</b>	<b>3.15</b>	40-15	450-450	1½ x 2½	TVL-2761	2.80
<b>60.30</b>	<b>350.350</b>	<b>1½ x 3</b>	<b>TVL-2631</b>	<b>3.15</b>	<b>40.20</b>	<b>450.450</b>	1½ x 2½	<b>TVL-2762</b>	<b>3.25</b>
80-4	350-350	1½ x 2½	TVL-2632	3.10	* <b>40.40</b>	<b>450.450</b>	1½ x 2½	<b>TVL-2764</b>	<b>3.45</b>
* <b>80.20</b>	<b>350.350</b>	<b>1½ x 3</b>	<b>TVL-2633</b>	<b>3.50</b>	50-40	450-450	1½ x 3	TVL-2766	3.60
* <b>80.40</b>	<b>350.350</b>	<b>1½ x 3</b>	<b>TVL-2634</b>	<b>4.10</b>	<b>50.50</b>	<b>450.450</b>	1½ x 3	<b>TVL-2767</b>	<b>3.85</b>
<b>80.80</b>	<b>350.350</b>	<b>1½ x 4</b>	<b>TVL-2635</b>	<b>4.70</b>	<b>60.20</b>	<b>450.450</b>	1½ x 3	<b>TVL-2768</b>	<b>3.55</b>
<b>90.40</b>	<b>350.350</b>	<b>1½ x 3</b>	<b>TVL-2637</b>	<b>4.30</b>	* <b>60.40</b>	<b>450.450</b>	1½ x 3½	<b>TVL-2770</b>	<b>3.95</b>
* 100-40	350-350	1½ x 3	TVL-2638	4.65	<b>60.60</b>	<b>450.450</b>	1½ x 3½	<b>TVL-2772</b>	<b>4.50</b>
<b>100.60</b>	<b>350.350</b>	<b>1½ x 3½</b>	<b>TVL-2639</b>	<b>4.80</b>	<b>80.10</b>	<b>450.450</b>	1½ x 3	<b>TVL-2776</b>	<b>3.60</b>
<b>100.100</b>	<b>350.350</b>	<b>1½ x 3</b>	<b>TVL-2641</b>	<b>6.15</b>	<b>80.20</b>	<b>450.450</b>	1½ x 3	<b>TVL-2776.5</b>	<b>3.90</b>
150-20	350-350	1½ x 3½	TVL-2642	4.55	<b>80.30</b>	<b>450.450</b>	1½ x 4	<b>TVL-2777</b>	<b>4.20</b>
<b>160.10</b>	<b>350.350</b>	<b>1½ x 3</b>	<b>TVL-2643</b>	<b>4.30</b>	<b>80.40</b>	<b>450.450</b>	1½ x 3½	<b>TVL-2778</b>	<b>5.05</b>
<b>35.100</b>	<b>400.50</b>	<b>1 x 3</b>	<b>TVL-2651</b>	<b>2.60</b>	<b>80.80</b>	<b>450.450</b>	1½ x 4	<b>TVL-2779</b>	<b>5.30</b>
40-100	400-50	1½ x 2	TVL-2653	2.70	<b>100.40</b>	<b>450.450</b>	1½ x 4	<b>TVL-2780</b>	<b>4.85</b>
<b>100.30</b>	<b>400.50</b>	<b>1½ x 3</b>	<b>TVL-2655</b>	<b>3.90</b>	10-20	475-25	1 x 2	TVL-2802	1.70
<b>80.80</b>	<b>400.200</b>	<b>1½ x 3½</b>	<b>TVL-2656</b>	<b>3.95</b>	<b>30.100</b>	<b>475.50</b>	1 x 3½	<b>TVL-2803</b>	<b>2.75</b>
* 60-80	400-250	1½ x 4	TVL-2657	3.90	75-50	475-50	1½ x 3	TVL-2804	3.75
* 15-15	400-400	1 x 2½	TVL-2660	2.20	40-80	475-200	1½ x 2½	TVL-2807	3.65
* 30-10	400-400	1 x 3	TVL-2663	2.30	* 20-100	475-300	1½ x 3½	TVL-2810	3.90
* 60-60	400-400	1½ x 4	TVL-2668	4.40	<b>20.100</b>	<b>475.400</b>	1½ x 4	<b>TVL-2813</b>	<b>4.50</b>
75-75	400-400	1½ x 4	TVL-2670	4.95	* 40-40	475-400	1½ x 3	TVL-2815	3.75
* 80-10	400-400	1½ x 3½	TVL-2672	3.35	<b>15.15</b>	<b>475.475</b>	1 x 2½	<b>TVL-2820</b>	<b>3.35</b>
* 80-20	400-400	1½ x 3	TVL-2673	3.65	<b>30.10</b>	<b>475.475</b>	1 x 3	<b>TVL-2824</b>	<b>2.60</b>
* 80-40	400-400	1½ x 4	TVL-2675	4.10	<b>40.10</b>	<b>475.475</b>	1½ x 2½	<b>TVL-2827</b>	<b>3.10</b>
<b>80.60</b>	<b>400.400</b>	<b>1½ x 3</b>	<b>TVL-2677</b>	<b>4.70</b>	* 40-40	475-475	1½ x 3	TVL-2830	4.30
80-80	400-400	1½ x 4	TVL-2678	4.95	* 60-40	475-475	1½ x 4	TVL-2840	4.55
<b>120.40</b>	<b>400.400</b>	<b>1½ x 4</b>	<b>TVL-2679</b>	<b>5.25</b>	80-40	475-475	1½ x 4	TVL-2850	5.05
<b>10.20</b>	<b>450.25</b>	<b>1 x 2</b>	<b>TVL-2701</b>	<b>1.70</b>	<b>80.50</b>	<b>475.475</b>	1½ x 4	<b>TVL-2851</b>	<b>5.20</b>
* 20-20	450-25	1 x 2	TVL-2702	2.00	80-80	475-475	1½ x 4½	TVL-2853	5.85
20-100	450-25	1 x 2½	TVL-2703	2.20	80-50	500-50	1½ x 3½	TVL-2907	3.75
40-20	450-25	1 x 3	TVL-2704	2.45	60-80	500-150	1½ x 3	TVL-2916	3.75
* 80-10	450-25	1½ x 3	TVL-2705	3.35	40-50	500-200	1½ x 3	TVL-2920	3.30
* 80-20	450-25	1½ x 3	TVL-2706	3.35	15-20	500-300	1 x 2½	TVL-2922	2.30
10-100	450-50	1 x 2½	TVL-2708	2.05	20-100	500-300	1½ x 3	TVL-2924	3.90
30-25	450-50	1 x 2½	TVL-2708.3	2.30	* 40-40	500-400	1½ x 3	TVL-2926	3.75
40-50	450-50	1 x 3½	TVL-2708.8	2.55	4-4	500-500	1 x 2½	TVL-2931	1.70
<b>40.100</b>	<b>450.50</b>	<b>1 x 3½</b>	<b>TVL-2709</b>	<b>2.80</b>	<b>10.10</b>	<b>500.500</b>	1 x 2½	<b>TVL-2933</b>	<b>1.95</b>
50-100	450-50	1½ x 2½	TVL-2709.3	3.00	<b>20.20</b>	<b>500.500</b>	1½ x 2½	<b>TVL-2935</b>	<b>2.85</b>
* <b>80.50</b>	<b>450.50</b>	<b>1½ x 3</b>	<b>TVL-2710</b>	<b>3.50</b>	<b>30.10</b>	<b>500.500</b>	1½ x 3	<b>TVL-2936</b>	<b>2.60</b>
<b>80.100</b>	<b>450.50</b>	<b>1½ x 3</b>	<b>TVL-2711</b>	<b>3.75</b>	<b>30.30</b>	<b>500.500</b>	1½ x 2½	<b>TVL-2937</b>	<b>3.25</b>
10-50	450-100	1½ x 2	TVL-2712	2.00	40-25	500-500	1½ x 3	TVL-2939	3.65
20-100	450-100	1½ x 2	TVL-2713	2.90	<b>40.40</b>	<b>500.500</b>	1½ x 3	<b>TVL-2940</b>	<b>4.30</b>
30-40	450-150	1½ x 2	TVL-2714	2.45	<b>60.40</b>	<b>500.500</b>	1½ x 3½	<b>TVL-2944</b>	<b>4.60</b>
30-200	450-150	1½ x 3	TVL-2715	3.50	<b>TRIPLE UNITS</b>				
40-150	450-150	1½ x 3	TVL-2716	3.45	1500-1500-1500	3-3-3	1 x 3½	TVL-3015	\$5.00
* 80-50	450-150	1½ x 3	TVL-2717	3.70	<b>850.400-4</b>	<b>16-16-11.5</b>	1 x 2½	<b>TVL-3021</b>	<b>4.20</b>
80-60	450-150	1½ x 3½	TVL-2718	3.80	<b>1000.500-4</b>	<b>16-16-11.5</b>	1½ x 2	<b>TVL-3021.5</b>	<b>4.35</b>
* 80-40	450-200	1½ x 3	TVL-2720	3.80	<b>400.100-100</b>	<b>16-16-16</b>	1 x 2	<b>TVL-3025</b>	<b>3.05</b>
<b>20.50</b>	<b>450.250</b>	<b>1 x 3</b>	<b>TVL-2722</b>	<b>2.80</b>	500-100-100	16-16-16	1 x 2	TVL-3026	3.15
<b>40.10</b>	<b>450.300</b>	<b>1 x 3</b>	<b>TVL-2724</b>	<b>2.60</b>	<b>500.500-100</b>	<b>16-16-16</b>	1 x 2	<b>TVL-3026.8</b>	<b>3.90</b>
10-100	450-350	1½ x 3½	TVL-2727	4.00	<b>1000.500.20</b>	<b>16-16-16</b>	1½ x 2	<b>TVL-3027</b>	<b>4.30</b>
* 20-80	450-350	1½ x 3½	TVL-2730	3.60	<b>5.500.200</b>	<b>25-16-16</b>	1 x 2	<b>TVL-3030</b>	<b>3.20</b>
25-15	450-350	1 x 3	TVL-2732	2.55					
* <b>40.10</b>	<b>450.350</b>	<b>1½ x 2</b>	<b>TVL-2735</b>	<b>2.60</b>					
* 40-20	450-350	1½ x 2½	TVL-2736	2.85					



# SPRAGUE CAPACITORS

## TVL TWIST-LOK ELECTROLYTICS, continued

μF	WVDC	Dia. x Lgth.	Cat. No.	List	μF	WVDC	Dia. x Lgth.	Cat. No.	List
40-500-500	25-10-10	1 x 2½	TVL-3202	\$3.35	60-40-30	150-150-150	1½ x 2	TVL-3443.1	\$2.80
* 20-20-20	25-25-25	1 x 2	TVL-3210	1.95	60-50-50	150-150-150	1½ x 2	TVL-3443.2	3.10
40-40-40	25-25-25	1 x 2	TVL-3230	2.15	70-15-15	150-150-150	1 x 2½	TVL-3443.3	2.70
30-30-30	50-50-50	1 x 2	TVL-3320	2.15	<b>70-40-40</b>	<b>150-150-150</b>	<b>1 x 3</b>	<b>TVL-3443.4</b>	<b>4.05</b>
20-250-100	150-15-15	1½ x 2	TVL-3403	2.85	80-20-20	150-150-150	1 x 3	TVL-3443.6	2.80
40-25-130	150-25-15	1 x 3	TVL-3404	2.35	<b>80-30-10</b>	<b>150-150-150</b>	<b>1 x 3</b>	<b>TVL-3443.8</b>	<b>2.75</b>
50-100-20	150-50-25	1 x 3	TVL-3405	2.70	<b>80-40-20</b>	<b>150-150-150</b>	<b>1 x 3</b>	<b>TVL-3444</b>	<b>2.90</b>
100-50-25	150-50-25	1 x 3	TVL-3407	2.95	<b>80-80-80</b>	<b>150-150-150</b>	<b>1½ x 3</b>	<b>TVL-3446</b>	<b>3.75</b>
<b>15-15-1200</b>	<b>150-150-2</b>	<b>1 x 2</b>	<b>TVL-3410</b>	<b>3.15</b>	<b>100-30-10</b>	<b>150-150-150</b>	<b>1 x 3</b>	<b>TVL-3447</b>	<b>3.05</b>
30-20-100	150-150-6	1 x 2	TVL-3412	2.35	<b>120-80-40</b>	<b>150-150-150</b>	<b>1½ x 3½</b>	<b>TVL-3448</b>	<b>3.80</b>
20-20-100	150-150-10	1 x 2	TVL-3413	2.30	<b>120-120-40</b>	<b>150-150-150</b>	<b>1½ x 2</b>	<b>TVL-3448.2</b>	<b>4.05</b>
20-20-250	150-150-10	1 x 2	TVL-3413.2	2.55	150-50-25	150-150-150	1½ x 3	TVL-3449	3.45
30-30-200	150-150-10	1 x 2	TVL-3413.3	2.50	<b>200-100-60</b>	<b>150-150-150</b>	<b>1½ x 3½</b>	<b>TVL-3450</b>	<b>4.55</b>
40-20-150	150-150-10	1 x 2	TVL-3413.4	2.40	* 200-140-60	150-150-150	1½ x 4	TVL-3451	4.70
* 40-20-200	150-150-10	1 x 2½	TVL-3413.5	2.45	<b>200-150-150</b>	<b>150-150-150</b>	<b>1½ x 4</b>	<b>TVL-3452</b>	<b>7.60</b>
40-20-250	150-150-10	1 x 2½	TVL-3413.6	2.65	<b>250-200-10</b>	<b>150-150-150</b>	<b>1½ x 4</b>	<b>TVL-3453</b>	<b>4.75</b>
40-40-100	150-150-10	1 x 2½	TVL-3413.7	2.50	300-100-80	150-150-150	1½ x 3½	TVL-3454	5.15
* 40-40-250	150-150-10	1 x 2½	TVL-3413.8	2.75	20-50-25	200-100-25	1 x 2½	TVL-3455	2.50
80-20-200	150-150-10	1½ x 2	TVL-3414	2.85	* 80-40-50	200-100-50	1½ x 2½	TVL-3460	3.05
<b>80-30-300</b>	<b>150-150-10</b>	<b>1½ x 2</b>	<b>TVL-3414.2</b>	<b>3.15</b>	40-40-20	200-150-25	1 x 3	TVL-3461	2.60
80-60-200	150-150-10	1 x 3	TVL-3413.9	3.20	<b>60-200-140</b>	<b>200-150-150</b>	<b>1½ x 4</b>	<b>TVL-3461.4</b>	<b>4.80</b>
<b>90-40-400</b>	<b>150-150-10</b>	<b>1½ x 2½</b>	<b>TVL-3414.5</b>	<b>3.50</b>	* 20-20-20	200-200-25	1 x 2	TVL-3462	2.30
100-20-200	150-150-10	1½ x 2½	TVL-3414.6	3.15	* 30-20-20	200-200-25	1 x 2	TVL-3463	2.50
<b>100-80-200</b>	<b>150-150-10</b>	<b>1½ x 2½</b>	<b>TVL-3414.7</b>	<b>3.60</b>	* 30-20-40	200-200-25	1 x 2	TVL-3464	2.55
60-40-400	150-150-15	1½ x 2	TVL-3414.8	3.35	<b>60-5-20</b>	<b>200-200-50</b>	<b>1 x 2½</b>	<b>TVL-3467</b>	<b>2.50</b>
80-20-100	150-150-15	1½ x 2	TVL-3414.9	2.80	<b>80-10-20</b>	<b>200-200-50</b>	<b>1 x 3</b>	<b>TVL-3471</b>	<b>2.80</b>
* 20-20-20	150-150-25	1 x 2	TVL-3415	2.20	* 80-40-100	200-200-50	1½ x 3	TVL-3472	3.50
20-20-200	150-150-25	1 x 3	TVL-3416	2.60	* 90-90-20	200-200-50	1½ x 3	TVL-3474	3.80
* 30-20-20	150-150-25	1 x 2	TVL-3417	2.35	100-10-40	200-200-50	1½ x 2	TVL-3475	3.15
* 30-30-20	150-150-25	1 x 2	TVL-3419	2.30	30-20-40	200-200-150	1 x 2½	TVL-3477	2.70
* <b>40-20-20</b>	<b>150-150-25</b>	<b>1 x 2½</b>	<b>TVL-3422</b>	<b>2.30</b>	* 20-20-20	200-200-200	1 x 2½	TVL-3480	2.50
<b>40-20-100</b>	<b>150-150-25</b>	<b>1 x 1½</b>	<b>TVL-3423</b>	<b>2.50</b>	30-20-20	200-200-200	1 x 2½	TVL-3481	2.70
40-20-200	150-150-25	1 x 2½	TVL-3423.2	2.70	50-30-30	200-200-200	1½ x 2	TVL-3485	3.15
* 40-30-20	150-150-25	1 x 2	TVL-3424	2.35	<b>250-200-10</b>	<b>200-200-200</b>	<b>1½ x 4</b>	<b>TVL-3490</b>	<b>6.65</b>
40-30-25	150-150-25	1 x 2½	TVL-3425	2.35	* 40-40-20	250-150-25	1½ x 2	TVL-3504	2.70
<b>40-40-20</b>	<b>150-150-25</b>	<b>1 x 1½</b>	<b>TVL-3426</b>	<b>2.40</b>	<b>80-40-50</b>	<b>250-150-50</b>	<b>1½ x 2½</b>	<b>TVL-3506</b>	<b>2.35</b>
<b>40-40-200</b>	<b>150-150-25</b>	<b>1 x 3</b>	<b>TVL-3426.3</b>	<b>2.80</b>	15-20-20	250-150-150	1 x 2	TVL-3507	2.35
<b>40-40-250</b>	<b>150-150-25</b>	<b>1 x 3</b>	<b>TVL-3426.4</b>	<b>3.15</b>	<b>60-40-20</b>	<b>250-200-25</b>	<b>1½ x 2</b>	<b>TVL-3508</b>	<b>3.30</b>
<b>50-30-20</b>	<b>150-150-25</b>	<b>1 x 2½</b>	<b>TVL-3426.7</b>	<b>2.50</b>	<b>15-15-20</b>	<b>250-250-25</b>	<b>1 x 2</b>	<b>TVL-3510</b>	<b>2.35</b>
<b>50-30-100</b>	<b>150-150-25</b>	<b>1 x 3</b>	<b>TVL-3427</b>	<b>2.70</b>	20-15-20	250-250-25	1 x 2½	TVL-3511	2.35
50-30-200	150-150-25	1½ x 2	TVL-3428	2.90	* <b>30-30-20</b>	<b>250-250-25</b>	<b>1 x 3</b>	<b>TVL-3513</b>	<b>2.80</b>
50-30-300	150-150-25	1 x 3	TVL-3429	3.25	60-60-25	250-250-25	1 x 3½	TVL-3514	3.80
<b>50-50-20</b>	<b>150-150-25</b>	<b>1 x 3</b>	<b>TVL-3430</b>	<b>2.65</b>	70-70-20	250-250-50	1½ x 3	TVL-3515	3.90
50-50-200	150-150-25	1 x 3	TVL-3430.7	3.05	90-90-20	250-250-50	1½ x 3	TVL-3516	4.60
60-20-20	150-150-25	1 x 2	TVL-3431	2.50	40-20-10	250-250-150	1½ x 2	TVL-3517	2.70
<b>60-40-200</b>	<b>150-150-25</b>	<b>1 x 3</b>	<b>TVL-3431.3</b>	<b>3.05</b>	* 40-40-10	250-250-200	1½ x 2	TVL-3520	3.10
60-60-100	150-150-25	1½ x 2	TVL-3431.4	3.05	* 80-80-60	250-250-200	1½ x 3½	TVL-3525	4.50
60-60-175	150-150-25	1½ x 2	TVL-3415.2	3.25	<b>15-15-10</b>	<b>250-250-250</b>	<b>1 x 2</b>	<b>TVL-3530</b>	<b>2.45</b>
* 80-20-20	150-150-25	1 x 3	TVL-3431.5	2.65	20-20-10	250-250-250	1 x 2	TVL-3531	2.50
80-30-300	150-150-25	1½ x 2	TVL-3431.8	3.65	<b>20-20-20</b>	<b>250-250-250</b>	<b>1 x 2</b>	<b>TVL-3532</b>	<b>2.60</b>
* <b>80-40-20</b>	<b>150-150-25</b>	<b>1 x 2½</b>	<b>TVL-3432</b>	<b>2.80</b>	30-15-10	250-250-250	1 x 2½	TVL-3534	2.65
<b>80-40-300</b>	<b>150-150-25</b>	<b>1½ x 2½</b>	<b>TVL-3432.4</b>	<b>3.70</b>	30-15-15	250-250-250	1 x 2	TVL-3535	2.75
120-60-20	150-150-25	1½ x 2½	TVL-3432.6	3.40	* 30-20-10	250-250-250	1 x 2	TVL-3537	2.70
300-80-200	150-150-50	1½ x 4	TVL-3432.9	4.95	40-20-10	250-250-250	1 x 2½	TVL-3539	2.80
* 10-10-10	150-150-150	1 x 2	TVL-3432.8	2.05	<b>40-20-20</b>	<b>250-250-250</b>	<b>1 x 3½</b>	<b>TVL-3540</b>	<b>2.90</b>
* <b>20-20-20</b>	<b>150-150-150</b>	<b>1 x 1½</b>	<b>TVL-3433</b>	<b>2.30</b>	80-10-10	250-250-250	1 x 3	TVL-3543	3.20
<b>30-30-10</b>	<b>150-150-150</b>	<b>1 x 2</b>	<b>TVL-3435</b>	<b>2.85</b>	<b>80-80-60</b>	<b>250-250-250</b>	<b>1½ x 3</b>	<b>TVL-3545</b>	<b>4.90</b>
<b>40-20-10</b>	<b>150-150-150</b>	<b>1 x 2</b>	<b>TVL-3436</b>	<b>2.35</b>	10-500-500	300-15-15	1½ x 2½	TVL-3553	3.90
* <b>40-20-20</b>	<b>150-150-150</b>	<b>1 x 1½</b>	<b>TVL-3437</b>	<b>2.40</b>	20-10-10	300-75-25	1 x 2	TVL-3555	2.35
<b>40-30-20</b>	<b>150-150-150</b>	<b>1 x 2</b>	<b>TVL-3438</b>	<b>2.50</b>	* <b>100-60-20</b>	<b>300-150-25</b>	<b>1½ x 3</b>	<b>TVL-3560</b>	<b>4.20</b>
<b>40-40-40</b>	<b>150-150-150</b>	<b>1 x 2</b>	<b>TVL-3440</b>	<b>2.60</b>	<b>100-60-20</b>	<b>300-150-50</b>	<b>1½ x 3</b>	<b>TVL-3560.1</b>	<b>4.20</b>
50-20-20	150-150-150	1 x 2½	TVL-3440.4	2.55	20-150-80	300-150-150	1½ x 3	TVL-3560.2	3.95
<b>50-40-10</b>	<b>150-150-150</b>	<b>1 x 2½</b>	<b>TVL-3441</b>	<b>2.55</b>	100-150-30	300-150-150	1½ x 4	TVL-3560.4	4.95
50-50-10	150-150-150	1½ x 2	TVL-3441.7	2.70	<b>100-200-30</b>	<b>300-150-150</b>	<b>1½ x 4</b>	<b>TVL-3560.6</b>	<b>5.20</b>
<b>50-50-50</b>	<b>150-150-150</b>	<b>1 x 3</b>	<b>TVL-3442</b>	<b>3.00</b>	<b>100-200-60</b>	<b>300-150-150</b>	<b>1½ x 4</b>	<b>TVL-3560.5</b>	<b>5.00</b>
50-50-50	150-150-150	1½ x 3	TVL-3442.1	3.00	20-100-100	300-200-50	1 x 3½	TVL-3560.10	3.75
<b>60-40-20</b>	<b>150-150-150</b>	<b>1 x 3</b>	<b>TVL-3443</b>	<b>2.75</b>	* 20-80-10	300-250-200	1½ x 2½	TVL-3561	3.40
					16-20-20	300-250-250	1 x 3	TVL-3561.3	2.55

# SPRAGUE CAPACITORS

## TVL TWIST-LOK ELECTROLYTICS, continued

$\mu$ F	WVDC	Dia. x Lgth.	Cat. No.	List	$\mu$ F	WVDC	Dia. x Lgth.	Cat. No.	List
* 40-80-40	300-250-250	1 $\frac{1}{8}$ x 3	TVL-3561.5	\$4.25	<b>20-5-150</b>	<b>350-350-50</b>	<b>1 x 3</b>	<b>TVL-3638.1</b>	<b>\$2.95</b>
60-30-30	300-250-250	1 $\frac{1}{8}$ x 2 $\frac{1}{2}$	TVL-3561.7	3.75	* <b>20-10-100</b>	<b>350-350-50</b>	<b>1<math>\frac{1}{8}</math> x 2<math>\frac{1}{2}</math></b>	<b>TVL-3638.2</b>	<b>2.90</b>
<b>100-60-20</b>	<b>300-250-250</b>	<b>1<math>\frac{1}{8}</math> x 3</b>	<b>TVL-3562</b>	<b>4.90</b>	70-40-50	350-350-50	1 $\frac{1}{8}$ x 3	TVL-3637.8	4.55
<b>200-60-20</b>	<b>300-250-250</b>	<b>1<math>\frac{1}{8}</math> x 4</b>	<b>TVL-3563</b>	<b>5.50</b>	80-10-40	350-350-50	1 $\frac{1}{8}$ x 3	TVL-3638.3	3.80
* 20-20-20	300-300-25	1 x 2 $\frac{1}{2}$	TVL-3565	2.70	80-10-100	350-350-50	1 $\frac{1}{8}$ x 3	TVL-3638.4	4.10
40-15-20	300-300-25	1 x 3	TVL-3570	2.90	100-20-20	350-350-50	1 $\frac{1}{8}$ x 3	TVL-3638.11	4.70
* 40-20-20	300-300-25	1 $\frac{1}{8}$ x 2	TVL-3573	3.10	100-20-50	350-350-50	1 $\frac{1}{8}$ x 3	TVL-3638.12	4.85
60-10-25	300-300-25	1 $\frac{1}{8}$ x 2	TVL-3573.1	3.05	<b>150-4-30</b>	<b>350-350-50</b>	<b>1<math>\frac{1}{8}</math> x 3<math>\frac{1}{2}</math></b>	<b>TVL-3638.5</b>	<b>4.75</b>
140-10-100	300-300-25	1 $\frac{1}{8}$ x 3 $\frac{1}{2}$	TVL-3573.3	4.45	40-20-10	350-350-100	1 $\frac{1}{8}$ x 2	TVL-3638.6	3.25
30-30-25	300-300-50	1 x 3	TVL-3573.6	2.90	40-20-10	350-350-100	1 x 3	TVL-3638.8	3.25
<b>100-10-60</b>	<b>300-300-50</b>	<b>1<math>\frac{1}{8}</math> x 2<math>\frac{1}{2}</math></b>	<b>TVL-3574</b>	<b>4.05</b>	<b>30-20-100</b>	<b>350-350-150</b>	<b>1<math>\frac{1}{8}</math> x 2<math>\frac{1}{2}</math></b>	<b>TVL-3638.7</b>	<b>4.00</b>
<b>125-20-20</b>	<b>300-300-50</b>	<b>1<math>\frac{1}{8}</math> x 3<math>\frac{1}{2}</math></b>	<b>TVL-3574.3</b>	<b>4.50</b>	* 40-40-100	350-350-200	1 $\frac{1}{8}$ x 3 $\frac{1}{2}$	TVL-3638.9	4.70
125-20-100	300-300-50	1 $\frac{1}{8}$ x 3	TVL-3574.5	4.90	<b>80-40-100</b>	<b>350-350-200</b>	<b>1<math>\frac{1}{8}</math> x 4</b>	<b>TVL-3639</b>	<b>5.45</b>
<b>125-60-40</b>	<b>300-300-50</b>	<b>1<math>\frac{1}{8}</math> x 4</b>	<b>TVL-3574.6</b>	<b>5.20</b>	<b>100-60-20</b>	<b>350-350-200</b>	<b>1<math>\frac{1}{8}</math> x 4</b>	<b>TVL-3639.2</b>	<b>5.50</b>
<b>140-100-60</b>	<b>300-300-50</b>	<b>1<math>\frac{1}{8}</math> x 3<math>\frac{1}{2}</math></b>	<b>TVL-3574.7</b>	<b>6.05</b>	20-10-5	350-350-250	1 x 2 $\frac{1}{2}$	TVL-3639.4	2.55
140-100-100	300-300-50	1 $\frac{1}{8}$ x 3 $\frac{1}{2}$	TVL-3574.8	6.25	* 30-10-20	350-350-250	1 x 3	TVL-3639.5	3.05
200-20-10	300-300-100	1 $\frac{1}{8}$ x 4	TVL-3575	4.90	* <b>20-10-10</b>	<b>350-350-350</b>	<b>1 x 2</b>	<b>TVL-3639.6</b>	<b>2.70</b>
* 40-40-20	300-300-150	1 $\frac{1}{8}$ x 2	TVL-3577	3.60	* 20-10-10	350-350-350	1 x 3	TVL-3639.7	2.95
10-10-15	300-300-250	1 x 2	TVL-3578	2.45	<b>30-20-10</b>	<b>350-350-350</b>	<b>1 x 2<math>\frac{1}{2}</math></b>	<b>TVL-3639.8</b>	<b>3.25</b>
* <b>10-10-10</b>	<b>300-300-300</b>	<b>1 x 2</b>	<b>TVL-3580</b>	<b>2.40</b>	50-50-50	350-350-350	1 $\frac{1}{8}$ x 3 $\frac{1}{2}$	TVL-3639.9	4.85
<b>60-20-10</b>	<b>300-300-300</b>	<b>1<math>\frac{1}{8}</math> x 2</b>	<b>TVL-3581</b>	<b>3.45</b>	* <b>60-40-20</b>	<b>350-350-350</b>	<b>1<math>\frac{1}{8}</math> x 4</b>	<b>TVL-3640</b>	<b>4.25</b>
* 80-20-10	300-300-300	1 $\frac{1}{8}$ x 2 $\frac{1}{2}$	TVL-3582	3.80	60-40-40	350-350-350	1 $\frac{1}{8}$ x 3 $\frac{1}{2}$	TVL-3640.2	4.70
<b>80-40-40</b>	<b>300-300-300</b>	<b>1<math>\frac{1}{8}</math> x 2<math>\frac{1}{2}</math></b>	<b>TVL-3583</b>	<b>4.75</b>	* <b>60-50-50</b>	<b>350-350-350</b>	<b>1<math>\frac{1}{8}</math> x 2<math>\frac{1}{2}</math></b>	<b>TVL-3641</b>	<b>4.90</b>
<b>120-50-40</b>	<b>300-300-300</b>	<b>1<math>\frac{1}{8}</math> x 4</b>	<b>TVL-3585</b>	<b>5.85</b>	80-40-40	350-350-350	1 $\frac{1}{8}$ x 4	TVL-3641.5	5.30
<b>140-100-20</b>	<b>300-300-300</b>	<b>1<math>\frac{1}{8}</math> x 4<math>\frac{1}{2}</math></b>	<b>TVL-3585.5</b>	<b>6.20</b>	<b>80-60-60</b>	<b>350-350-350</b>	<b>1<math>\frac{1}{8}</math> x 4</b>	<b>TVL-3642</b>	<b>5.55</b>
160-60-20	300-300-300	1 $\frac{1}{8}$ x 4	TVL-3587	5.45	<b>90-40-20</b>	<b>350-350-350</b>	<b>1<math>\frac{1}{8}</math> x 4</b>	<b>TVL-3645</b>	<b>5.25</b>
200-140-20	300-300-300	1 $\frac{1}{8}$ x 4	TVL-3589	7.05	120-40-40	350-350-350	1 $\frac{1}{8}$ x 4	TVL-3647	6.15
4-100-40	350-25-25	1 x 2	TVL-3603	2.25	<b>140-140-20</b>	<b>350-350-350</b>	<b>1<math>\frac{1}{8}</math> x 4</b>	<b>TVL-3648</b>	<b>7.75</b>
5-100-40	350-25-25	1 x 2	TVL-3604	2.25	<b>40-200-60</b>	<b>400-200-200</b>	<b>1<math>\frac{1}{8}</math> x 4</b>	<b>TVL-3653</b>	<b>5.55</b>
40-100-25	350-50-25	1 $\frac{1}{8}$ x 2	TVL-3604.3	3.05	10-5-40	400-300-25	1 x 2	TVL-3655	2.20
* 10-50-100	350-100-75	1 x 3	TVL-3605	2.85	* 60-40-20	400-300-25	1 $\frac{1}{8}$ x 3 $\frac{1}{2}$	TVL-3663	4.20
20-50-100	350-100-75	1 x 3	TVL-3606	3.10	* 80-20-10	400-300-300	1 $\frac{1}{8}$ x 3 $\frac{1}{2}$	TVL-3667	4.25
10-10-250	350-150-15	1 x 2 $\frac{1}{2}$	TVL-3607	2.75	<b>10-4-20</b>	<b>300-350-25</b>	<b>1 x 2</b>	<b>TVL-3668</b>	<b>2.20</b>
* 10-50-100	350-150-50	1 x 3 $\frac{1}{2}$	TVL-3908	2.05	10-50-30	400-350-25	1 x 3 $\frac{1}{2}$	TVL-3670	3.35
<b>40-200-100</b>	<b>350-150-150</b>	<b>1<math>\frac{1}{8}</math> x 3<math>\frac{1}{2}</math></b>	<b>TVL-3608.3</b>	<b>5.00</b>	* 80-20-100	400-350-50	1 $\frac{1}{8}$ x 3 $\frac{1}{2}$	TVL-3671	4.50
<b>60-200-30</b>	<b>350-150-150</b>	<b>1<math>\frac{1}{8}</math> x 3</b>	<b>TVL-3608.6</b>	<b>5.00</b>	* 100-10-20	400-350-50	1 $\frac{1}{8}$ x 3 $\frac{1}{2}$	TVL-3672	4.50
40-80-500	350-200-25	1 $\frac{1}{8}$ x 3	TVL-3609	5.05	20-15-10	400-350-350	1 x 3	TVL-3673	2.95
<b>125-5-100</b>	<b>350-200-75</b>	<b>1<math>\frac{1}{8}</math> x 3<math>\frac{1}{2}</math></b>	<b>TVL-3610</b>	<b>5.30</b>	* 15-15-40	400-400-25	1 x 3	TVL-3675	2.75
50-10-500	350-250-5	1 $\frac{1}{8}$ x 2 $\frac{1}{2}$	TVL-3611	3.70	* <b>20-20-20</b>	<b>400-400-25</b>	<b>1 x 3</b>	<b>TVL-3678</b>	<b>2.85</b>
50-10-1000	350-250-5	1 $\frac{1}{8}$ x 2 $\frac{1}{2}$	TVL-3611.2	4.05	20-10-40	400-400-50	1 x 3	TVL-3682	2.65
* 20-30-20	350-250-25	1 x 3	TVL-3612	2.80	* 30-10-150	400-400-50	1 $\frac{1}{8}$ x 2 $\frac{1}{2}$	TVL-3682.4	3.35
30-20-100	350-250-50	1 x 3	TVL-3613	3.25	<b>80-40-60</b>	<b>400-400-50</b>	<b>1<math>\frac{1}{8}</math> x 3<math>\frac{1}{2}</math></b>	<b>TVL-3682.8</b>	<b>4.60</b>
* 30-20-10	350-250-250	1 x 3 $\frac{1}{2}$	TVL-3615	3.00	80-40-100	400-400-50	1 $\frac{1}{8}$ x 3	TVL-3683	5.00
10-80-25	350-300-25	1 x 4	TVL-3617	3.40	<b>80-40-150</b>	<b>400-400-50</b>	<b>1<math>\frac{1}{8}</math> x 4</b>	<b>TVL-3684</b>	<b>5.25</b>
<b>30-30-20</b>	<b>350-300-25</b>	<b>1 x 2<math>\frac{1}{2}</math></b>	<b>TVL-3620</b>	<b>3.15</b>	<b>100-10-20</b>	<b>400-400-50</b>	<b>1<math>\frac{1}{8}</math> x 3<math>\frac{1}{2}</math></b>	<b>TVL-3685</b>	<b>4.50</b>
30-50-20	350-300-25	1 $\frac{1}{8}$ x 2 $\frac{1}{2}$	TVL-3621	3.60	20-20-20	400-400-100	1 x 3	TVL-3686	3.95
10-40-5	350-300-150	1 x 2 $\frac{1}{2}$	TVL-3618	2.85	* 20-10-10	400-400-350	1 x 3	TVL-3687	2.70
20-40-10	350-300-150	1 x 3 $\frac{1}{2}$	TVL-3619	3.15	20-10-40	400-400-350	1 x 4	TVL-3687.2	3.40
40-20-10	350-300-200	1 $\frac{1}{8}$ x 2	TVL-3623	3.30	<b>20-20-10</b>	<b>400-400-350</b>	<b>1 x 3</b>	<b>TVL-3687.4</b>	<b>3.00</b>
20-30-30	350-300-300	1 $\frac{1}{8}$ x 2	TVL-3625	3.25	<b>60-30-20</b>	<b>400-400-350</b>	<b>1<math>\frac{1}{8}</math> x 3</b>	<b>TVL-3688</b>	<b>4.55</b>
10-10-1400	350-350-30	1 $\frac{1}{8}$ x 3	TVL-3626	3.30	<b>80-20-10</b>	<b>400-400-350</b>	<b>1<math>\frac{1}{8}</math> x 3</b>	<b>TVL-3689</b>	<b>4.30</b>
* 10-10-20	350-350-25	1 x 2	TVL-3628	2.65	<b>100-10-80</b>	<b>400-400-350</b>	<b>1<math>\frac{1}{8}</math> x 4</b>	<b>TVL-3689.3</b>	<b>6.10</b>
<b>15-10-20</b>	<b>350-350-25</b>	<b>1 x 2</b>	<b>TVL-3630</b>	<b>2.50</b>	* 10-10-10	400-400-400	1 x 2 $\frac{1}{2}$	TVL-3690	2.40
* 15-15-20	350-350-25	1 x 2 $\frac{1}{2}$	TVL-3632	2.70	90-10-5	400-400-400	1 $\frac{1}{8}$ x 3	TVL-3696	4.40
20-5-30	350-350-25	1 x 2	TVL-3633	2.45	<b>100-30-20</b>	<b>400-400-400</b>	<b>1<math>\frac{1}{8}</math> x 4</b>	<b>TVL-3697</b>	<b>5.50</b>
20-5-100	350-350-25	1 x 3	TVL-3633.3	2.60	100-40-10	400-400-400	1 $\frac{1}{8}$ x 4	TVL-3698	5.40
* <b>20-10-20</b>	<b>350-350-25</b>	<b>1 x 2<math>\frac{1}{2}</math></b>	<b>TVL-3634</b>	<b>2.55</b>	* 10-20-10	450-25-25	1 x 2	TVL-3701	2.15
* <b>20-20-20</b>	<b>350-350-25</b>	<b>1 x 2</b>	<b>TVL-3635</b>	<b>2.90</b>	30-20-20	450-25-25	1 x 3	TVL-3702	2.75
* 30-10-20	350-350-25	1 x 2 $\frac{1}{2}$	TVL-3635.5	2.80	30-100-25	450-25-25	1 $\frac{1}{8}$ x 2	TVL-3703	2.95
<b>30-20-20</b>	<b>350-350-25</b>	<b>1 x 2</b>	<b>TVL-3636</b>	<b>3.10</b>	10-100-20	450-50-25	1 x 3	TVL-3703.5	2.55
30-20-40	350-350-25	1 x 3	TVL-3636.2	3.15	80-100-20	450-50-50	1 $\frac{1}{8}$ x 3	TVL-3704	4.25
* <b>30-30-20</b>	<b>350-350-25</b>	<b>1<math>\frac{1}{8}</math> x 2</b>	<b>TVL-3636.3</b>	<b>3.40</b>	* 10-50-100	450-150-25	1 x 3	TVL-3705	2.70
40-5-30	350-350-25	1 $\frac{1}{8}$ x 2	TVL-3636.4	2.90	40-40-130	450-150-50	1 $\frac{1}{8}$ x 3	TVL-3706	3.70
40-40-50	350-350-25	1 $\frac{1}{8}$ x 2 $\frac{1}{2}$	TVL-3636.5	3.75	40-50-100	450-150-50	1 $\frac{1}{8}$ x 2 $\frac{1}{2}$	TVL-3706.4	3.65
90-40-50	350-350-25	1 $\frac{1}{8}$ x 3 $\frac{1}{2}$	TVL-3636.7	4.90	40-100-50	450-150-50	1 $\frac{1}{8}$ x 3	TVL-3707	3.95
<b>200-10-50</b>	<b>350-350-25</b>	<b>1<math>\frac{1}{8}</math> x 4</b>	<b>TVL-3636.8</b>	<b>5.25</b>	10-50-100	450-150-75	1 x 3	TVL-3707.4	3.25
10-5-30	350-350-50	1 x 2	TVL-3637	2.20	20-50-100	450-150-75	1 $\frac{1}{8}$ x 2	TVL-3707.5	3.40
10-5-150	350-350-50	1 x 3	TVL-3638	2.70					

All prices and sizes subject to change without notice.

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# SPRAGUE CAPACITORS

## TVL TWIST-LOK ELECTROLYTICS, continued

$\mu$ F	WVDC	Dia. x Lgth.	Cat. No.	List	$\mu$ F	WVDC	Dia. x Lgth.	Cat. No.	List
40-90-50	450-150-150	1 1/8 x 2 1/2	TVL-3708	\$4.00	10-10-50	450-450-100	1 1/8 x 2	TVL-3757.5	\$2.65
10-100-200	450-200-25	1 x 3 1/2	TVL-3708.2	3.60	30-20-30	450-450-150	1 1/8 x 2 1/2	TVL-3757.7	3.50
10-100-100	450-200-50	1 x 3 1/2	TVL-3708.4	3.60	* 40-40-40	450-450-150	1 1/8 x 3 1/2	TVL-3758	4.15
20-80-50	450-200-50	1 1/8 x 2 1/2	TVL-3709	3.40	40-10-80	450-450-200	1 1/8 x 3	TVL-3761	3.90
20-60-100	450-250-25	1 1/8 x 2 1/2	TVL-3711	3.65	* 40-10-100	450-450-200	1 1/8 x 3 1/2	TVL-3762	4.15
50-160-50	450-250-50	1 1/8 x 4	TVL-3711.2	5.10	* 40-40-60	450-450-200	1 1/8 x 3 1/2	TVL-3763	4.45
10-60-60	450-250-250	1 1/8 x 3	TVL-3711.8	4.00	40-40-100	450-450-200	1 1/8 x 3	TVL-3764	4.95
10-80-80	450-250-250	1 1/8 x 4	TVL-3712	4.15	15-10-120	450-450-300	1 1/8 x 3 1/2	TVL-3765	4.70
* 20-40-10	450-250-250	1 1/8 x 2	TVL-3713	3.15	* 15-15-10	450-450-300	1 x 3 1/2	TVL-3766	2.85
20-60-40	450-250-250	1 1/8 x 3	TVL-3713.2	3.95	15-5-15	450-450-350	1 x 3	TVL-3768	2.85
80-40-40	450-250-250	1 1/8 x 4	TVL-3713.4	4.80	* 20-20-60	450-450-350	1 1/8 x 3 1/2	TVL-3770	4.05
10-40-10	450-300-150	1 1/8 x 2	TVL-3713.7	3.10	* 40-10-10	450-450-350	1 1/8 x 3	TVL-3772	3.30
30-10-10	450-300-150	1 x 3	TVL-3714	2.95	40-40-60	450-450-350	1 1/8 x 4	TVL-3773	4.90
5-80-40	450-300-300	1 1/8 x 3	TVL-3714.7	4.15	40-40-80	450-450-350	1 1/8 x 4	TVL-3774	5.55
10-100-20	450-300-300	1 1/8 x 3	TVL-3715	4.35	50-5-50	450-450-350	1 1/8 x 3	TVL-3774.5	2.25
20-15-10	450-300-300	1 x 3 1/2	TVL-3716	2.85	* 60-20-40	450-450-350	1 1/8 x 4	TVL-3775	4.90
* 10-10-20	450-350-25	1 x 2 1/2	TVL-3719	2.30	* 10-10-10	450-450-450	1 x 2 1/2	TVL-3776	2.60
10-10-50	450-350-25	1 x 3	TVL-3721	2.40	15-15-10	450-450-450	1 x 3 1/2	TVL-3778	3.00
30-15-40	450-350-25	1 1/8 x 2	TVL-3722.3	3.20	15-15-15	450-450-450	1 x 3	TVL-3778.2	3.10
30-40-50	450-350-25	1 x 4	TVL-3723	3.70	20-10-10	450-450-450	1 x 3	TVL-3779	2.90
20-80-100	450-350-50	1 1/8 x 3 1/2	TVL-3722	4.50	20-20-20	450-450-450	1 1/8 x 2 1/2	TVL-3780	3.60
80-50-100	450-350-200	1 1/8 x 4	TVL-3723.7	5.85	30-10-10	450-450-450	1 1/8 x 2	TVL-3780.5	3.15
15-20-20	450-350-250	1 1/8 x 2	TVL-3724	2.95	* 30-20-20	450-450-450	1 1/8 x 3	TVL-3781	3.85
20-15-10	450-350-300	1 x 3	TVL-3724.1	3.05	* 30-30-10	450-450-450	1 1/8 x 3	TVL-3781.5	3.75
40-50-50	450-350-300	1 1/8 x 4	TVL-3724.2	4.85	30-30-30	450-450-450	1 1/8 x 3 1/2	TVL-3782	4.35
20-15-15	450-350-350	1 x 3	TVL-3724.3	3.25	* 40-10-10	450-450-450	1 1/8 x 3	TVL-3783	3.35
20-40-10	450-350-350	1 1/8 x 2 1/2	TVL-3724.4	3.50	40-30-20	450-450-450	1 1/8 x 3	TVL-3784	4.30
20-80-10	450-350-350	1 1/8 x 3	TVL-3724.5	4.25	* 40-40-10	450-450-450	1 1/8 x 2 1/2	TVL-3785	4.15
40-80-40	450-350-350	1 1/8 x 3 1/2	TVL-3724.7	5.40	40-40-20	450-450-450	1 1/8 x 3	TVL-3786	4.45
50-80-10	450-350-350	1 1/8 x 3 1/2	TVL-3724.8	4.90	40-40-40	450-450-450	1 1/8 x 3	TVL-3787	4.90
* 60-20-20	450-350-350	1 1/8 x 3 1/2	TVL-3725	4.30	50-30-30	450-450-450	1 1/8 x 3 1/2	TVL-3787.7	4.75
* 60-40-20	450-350-350	1 1/8 x 3 1/2	TVL-3725.2	4.75	50-40-30	450-450-450	1 1/8 x 3 1/2	TVL-3788	4.90
10-30-150	450-400-5	1 x 3	TVL-3725.5	3.00	60-10-10	450-450-450	1 1/8 x 3	TVL-3788	3.90
30-50-40	450-400-25	1 1/8 x 3	TVL-3725.6	3.90	60-20-20	450-450-450	1 1/8 x 3	TVL-3789	4.60
60-80-20	450-400-250	1 1/8 x 4	TVL-3720	5.45	60-30-10	450-450-450	1 1/8 x 3	TVL-3790	4.50
10-30-30	450-400-300	1 1/8 x 2 1/2	TVL-3726	3.35	60-40-20	450-450-450	1 1/8 x 3 1/2	TVL-3791	5.00
10-30-40	450-400-300	1 1/8 x 2 1/2	TVL-3726.1	3.65	80-40-10	450-450-450	1 1/8 x 4	TVL-3792	5.05
4-40-40	450-400-300	1 1/8 x 2 1/2	TVL-3728	3.70	80-40-20	450-450-450	1 1/8 x 4	TVL-3793	5.40
* 10-10-10	450-450-25	1 x 2 1/2	TVL-3729	2.40	20-50-20	475-50-25	1 x 3	TVL-3801	2.75
10-10-20	450-450-25	1 x 2	TVL-3731	2.40	80-80-50	475-150-50	1 1/8 x 4	TVL-3801.5	4.85
15-15-20	450-450-25	1 x 3	TVL-3733	2.70	* 10-100-40	475-200-50	1 1/8 x 2 1/2	TVL-3800	3.30
15-15-40	450-450-25	1 x 2 1/2	TVL-3734	2.75	* 40-40-100	475-250-50	1 1/8 x 3	TVL-3802	4.30
20-10-20	450-450-25	1 x 3	TVL-3735	2.70	* 40-40-100	475-250-100	1 1/8 x 3	TVL-3803	4.10
20-15-20	450-450-25	1 x 3 1/2	TVL-3737	2.90	* 40-40-10	475-250-250	1 1/8 x 3 1/2	TVL-3804	4.00
20-20-20	450-450-25	1 x 3	TVL-3739	3.05	* 20-20-40	475-300-25	1 1/8 x 2	TVL-3805	3.05
* 30-30-20	450-450-25	1 1/8 x 2 1/2	TVL-3741	3.55	* 40-40-100	475-300-50	1 1/8 x 3 1/2	TVL-3805.3	4.50
* 30-30-125	450-450-25	1 1/8 x 3	TVL-3743	3.95	* 40-80-10	475-300-300	1 1/8 x 3 1/2	TVL-3806	4.85
* 40-20-20	450-450-25	1 1/8 x 2 1/2	TVL-3743.7	3.50	10-100-25	475-350-25	1 1/8 x 3	TVL-3806.4	4.55
* 40-40-20	450-450-25	1 1/8 x 2 1/2	TVL-3744	3.90	10-4-100	475-350-50	1 x 2 1/2	TVL-3806.6	2.65
* 40-40-40	450-450-25	1 1/8 x 3	TVL-3744.2	3.95	20-10-5	475-350-150	1 x 2 1/2	TVL-3806.8	2.80
80-10-135	450-450-25	1 1/8 x 3 1/2	TVL-3745	4.45	10-4-40	475-350-250	1 1/8 x 2	TVL-3807	2.75
80-40-100	450-450-25	1 1/8 x 4	TVL-3746	5.05	20-20-10	475-350-350	1 x 3	TVL-3809	3.20
10-10-40	450-450-50	1 x 2 1/2	TVL-3749	2.50	* 40-40-25	475-400-50	1 1/8 x 3	TVL-3813	4.30
20-10-50	450-450-50	1 x 3	TVL-3751	2.85	10-45-100	475-450-50	1 1/8 x 3	TVL-3815	3.65
20-20-100	450-450-50	1 1/8 x 2 1/2	TVL-3751.4	3.45	40-40-20	475-450-50	1 1/8 x 3	TVL-3815.2	4.35
30-10-150	450-450-50	1 1/8 x 2 1/2	TVL-3752	3.50	10-40-100	475-450-200	1 1/8 x 3	TVL-3815.3	4.20
30-15-150	450-450-50	1 1/8 x 3	TVL-3753	3.70	* 40-20-20	475-450-450	1 1/8 x 3	TVL-3815.6	4.45
30-30-40	450-450-50	1 1/8 x 3	TVL-3753.6	3.65	40-80-10	475-450-450	1 1/8 x 4	TVL-3816	5.50
35-25-150	450-450-50	1 1/8 x 3	TVL-3753.3	3.95	40-40-500	475-475-10	1 1/8 x 3 1/2	TVL-3816.2	5.45
* 40-10-40	450-450-50	1 1/8 x 2 1/2	TVL-3754	3.25	* 10-10-5	475-475-25	1 x 2 1/2	TVL-3816.3	2.45
* 40-10-100	450-450-50	1 1/8 x 3	TVL-3754.2	4.30	10-10-100	475-475-25	1 x 3	TVL-3816.4	2.65
40-30-25	450-450-50	1 1/8 x 2 1/2	TVL-3754.5	3.75	* 20-10-20	475-475-25	1 x 3	TVL-3816.5	2.85
* 40-40-100	450-450-50	1 1/8 x 3 1/2	TVL-3755	4.30	10-10-150	475-475-50	1 x 3	TVL-3816.7	3.00
60-40-75	450-450-50	1 1/8 x 4	TVL-3756	4.65	20-10-20	475-475-50	1 x 3	TVL-3816.8	2.90
* 80-20-100	450-450-50	1 1/8 x 4	TVL-3757	4.80	* 20-10-100	475-475-50	1 1/8 x 2	TVL-3817	3.25
80-50-50	450-450-50	1 1/8 x 4	TVL-3757.1	3.45	25-10-20	475-475-50	1 x 3	TVL-3818	2.95
30-30-125	450-450-75	1 1/8 x 3	TVL-3757.3	4.50	* 20-10-100	475-475-400	1 1/8 x 4	TVL-3819	5.25
					* 20-20-60	475-475-400	1 1/8 x 3 1/2	TVL-3820	4.80
					20-20-60	475-475-450	1 1/8 x 4	TVL-3822	4.85



# SPRAGUE CAPACITORS

## TVL TWIST-LOK ELECTROLYTICS, continued

μF	WVDC	Dia.xLgth.	Cat. No.	List	μF	WVDC	Dia.xLgth.	Cat. No.	List
*10-10-10	475-475-475	1 x 3	TVL-3835	\$2.70	80-40-30-100	150-150-150-25	1 3/8 x 2 1/2	TVL-4430	\$3.70
30-30-10	475-475-475	1 3/8 x 3	TVL-3839	4.00	80-40-40-20	150-150-150-25	1 3/8 x 2	TVL-4431	3.55
<b>30-30-20</b>	<b>475-475-475</b>	<b>1 3/8 x 3</b>	<b>TVL-3840</b>	<b>4.45</b>	*80-40-40-40	150-150-150-25	1 3/8 x 2 1/2	TVL-4432	3.60
*40-10-10	475-475-475	1 3/8 x 3	TVL-3841	3.85	80-40-40-100	150-150-150-25	1 3/8 x 2 1/2	TVL-4434	3.75
<b>40-20-20</b>	<b>475-475-475</b>	<b>1 3/8 x 3</b>	<b>TVL-3842</b>	<b>4.75</b>	80-50-50-25	150-150-150-25	1 3/8 x 2 1/2	TVL-4435	3.80
<b>40-30-10</b>	<b>475-475-475</b>	<b>1 3/8 x 3</b>	<b>TVL-3842.6</b>	<b>4.50</b>	80-60-40-100	150-150-150-25	1 3/8 x 2 1/2	TVL-4436	3.95
<b>40-30-30</b>	<b>475-475-475</b>	<b>1 3/8 x 4</b>	<b>TVL-3843</b>	<b>5.15</b>	100-90-60-200	150-150-150-25	1 3/8 x 3	TVL-4437	4.95
40-35-10	475-475-475	1 3/8 x 3	TVL-3844	4.55	125-125-40-100	150-150-150-25	1 3/8 x 3	TVL-4438	4.95
10-80-10	500-150-150	1 x 3 1/2	TVL-3902	2.85	<b>250-200-10-25</b>	<b>150-150-150-50</b>	<b>1 3/8 x 4</b>	<b>TVL-4440</b>	<b>5.35</b>
10-100-40	500-200-50	1 3/8 x 2 1/2	TVL-3903	3.30	<b>200-200-100-10</b>	<b>150-150-150-75</b>	<b>1 3/8 x 2 1/2</b>	<b>TVL-4440.3</b>	<b>6.00</b>
*40-40-100	500-250-50	1 3/8 x 3	TVL-3905	4.30	<b>40-40-40-30</b>	<b>150-150-150-150</b>	<b>1 3/8 x 2</b>	<b>TVL-4441</b>	<b>3.30</b>
20-20-40	500-300-25	1 3/8 x 2	TVL-3907	3.05	50-40-30-30	150-150-150-150	1 3/8 x 2	TVL-4442	3.40
20-40-100	500-300-25	1 3/8 x 2 1/2	TVL-3908	3.60	50-50-50-50	150-150-150-150	1 3/8 x 2 1/2	TVL-4443	3.90
5-100-200	500-300-150	1 3/8 x 4	TVL-3908.4	5.15	80-50-20-20	150-150-150-150	1 3/8 x 2 1/2	TVL-4444	3.70
40-40-25	500-400-50	1 3/8 x 3	TVL-3909	4.30	<b>100-80-60-40</b>	<b>150-150-150-150</b>	<b>1 3/8 x 2</b>	<b>TVL-4445</b>	<b>4.65</b>
20-40-100	500-450-25	1 3/8 x 3	TVL-3910	3.80	<b>200-200-60-30</b>	<b>150-150-150-150</b>	<b>1 3/8 x 4</b>	<b>TVL-4448</b>	<b>5.70</b>
80-20-100	500-450-50	1 3/8 x 4	TVL-3910.6	5.10	<b>200-200-60-30</b>	<b>175-175-175-175</b>	<b>1 3/8 x 4</b>	<b>TVL-4450</b>	<b>5.55</b>
*10-40-40	500-450-450	1 3/8 x 3 1/2	TVL-3911	4.15	*40-20-10-20	200-200-200-25	1 3/8 x 2	TVL-4470	3.20
*30-20-20	500-500-25	1 3/8 x 2 1/2	TVL-3920	3.50	60-20-5-50	200-200-200-50	1 3/8 x 2	TVL-4475	3.35
10-10-100	500-500-50	1 x 3 1/2	TVL-3926	2.85	200-200-100-10	200-200-200-75	1 3/8 x 4	TVL-4476	5.95
<b>20-10-100</b>	<b>500-500-50</b>	<b>1 x 4</b>	<b>TVL-3928</b>	<b>3.30</b>	40-40-50-80	250-250-150-150	1 3/8 x 2 1/2	TVL-4508	4.50
30-10-20	500-500-50	1 3/8 x 2 1/2	TVL-3930	3.10	<b>*100-40-10-100</b>	<b>250-250-250-50</b>	<b>1 3/8 x 3 1/2</b>	<b>TVL-4516</b>	<b>5.15</b>
<b>40-40-100</b>	<b>500-500-200</b>	<b>1 3/8 x 4</b>	<b>TVL-3935</b>	<b>5.80</b>	*80-60-40-20	250-250-250-150	1 3/8 x 4	TVL-4524	5.10
10-10-5	500-500-350	1 x 2 1/2	TVL-3939	2.50	*40-40-20-20	250-250-250-250	1 3/8 x 2 1/2	TVL-4536	4.00
20-20-60	500-500-400	1 3/8 x 3 1/2	TVL-3942	4.80	100-40-80-20	300-50-25-25	1 3/8 x 3	TVL-4555	4.55
<b>10-10-10</b>	<b>500-500-500</b>	<b>1 x 3</b>	<b>TVL-3952</b>	<b>2.70</b>	20-150-150-100	300-150-150-30	1 3/8 x 4	TVL-4557	5.30
<b>30-20-20</b>	<b>500-500-500</b>	<b>1 3/8 x 3</b>	<b>TVL-3956</b>	<b>4.20</b>	<b>10-200-140-30</b>	<b>300-150-150-150</b>	<b>1 3/8 x 3 1/2</b>	<b>TVL-4559</b>	<b>5.10</b>
40-10-10	500-500-500	1 3/8 x 3	TVL-3962	3.90	<b>10-200-200-30</b>	<b>300-150-150-150</b>	<b>1 3/8 x 4</b>	<b>TVL-4559.2</b>	<b>5.35</b>
<b>40-40-10</b>	<b>500-500-500</b>	<b>1 3/8 x 3 1/2</b>	<b>TVL-3965</b>	<b>5.05</b>	<b>100-60-10-20</b>	<b>300-200-150-50</b>	<b>1 3/8 x 3</b>	<b>TVL-4559.5</b>	<b>4.85</b>
<b>QUADRUPLE UNITS</b>									
<b>750-600-350-4</b>	<b>16-16-16-11.5RMS</b>	<b>1 3/8 x 2</b>	<b>TVL-4204</b>	<b>\$4.80</b>	120-20-20-100	300-250-25-30	1 3/8 x 3 1/2	TVL-4562	5.05
*40-40-40-40	25-25-25-25	1 3/8 x 2	TVL-4210	2.75	<b>200-20-100-20</b>	<b>300-250-50-25</b>	<b>1 3/8 x 4</b>	<b>TVL-4563</b>	<b>5.80</b>
5-5-25-100	75-75-25-15	1 3/8 x 2	TVL-4351	2.65	*40-40-40-40	300-250-250-25	1 3/8 x 2 1/2	TVL-4560	4.40
50-20-150-30	150-150-15-15	1 3/8 x 2	TVL-4408	3.15	140-10-10-100	300-300-150-25	1 3/8 x 3 1/2	TVL-4560.6	5.05
40-40-50-200	150-150-25-10	1 3/8 x 2	TVL-4408.4	3.15	100-40-125-50	300-300-150-50	1 3/8 x 4	TVL-4560.4	6.20
20-20-160-40	150-150-25-25	1 3/8 x 2	TVL-4409	3.20	80-5-60-20	300-300-150-25	1 3/8 x 3	TVL-4560.3	4.30
*40-40-100-100	150-150-25-25	1 3/8 x 2	TVL-4410	3.35	<b>100-10-200-30</b>	<b>300-300-150-150</b>	<b>1 3/8 x 4</b>	<b>TVL-4561</b>	<b>5.90</b>
40-40-200-100	150-150-25-25	1 3/8 x 2	TVL-4410.3	3.55	140-10-200-16	300-300-150-150	1 3/8 x 4	TVL-4561.4	6.50
<b>50-40-160-40</b>	<b>150-150-25-25</b>	<b>1 3/8 x 2</b>	<b>TVL-4410.7</b>	<b>3.55</b>	<b>140-10-200-30</b>	<b>300-300-150-150</b>	<b>1 3/8 x 4</b>	<b>TVL-4561.3</b>	<b>6.25</b>
80-20-160-40	150-150-25-25	1 3/8 x 2	TVL-4411	3.65	<b>150-20-10-250</b>	<b>300-300-250-50</b>	<b>1 3/8 x 4</b>	<b>TVL-4564</b>	<b>6.05</b>
80-30-100-40	150-150-25-25	1 3/8 x 2	TVL-4411.2	3.55	*10-10-10-20	300-300-300-25	1 3/8 x 2	TVL-4565	2.95
40-40-100-100	150-150-50-50	1 3/8 x 2	TVL-4411.5	3.70	40-30-20-50	300-300-300-25	1 3/8 x 2 1/2	TVL-4568	4.15
30-20-20-200	150-150-150-10	1 3/8 x 2	TVL-4412	3.10	<b>60-40-20-50</b>	<b>300-300-300-25</b>	<b>1 3/8 x 3 1/2</b>	<b>TVL-4570</b>	<b>4.70</b>
<b>40-40-20-200</b>	<b>150-150-150-10</b>	<b>1 3/8 x 2</b>	<b>TVL-4413</b>	<b>3.20</b>	*30-30-15-30	300-300-300-50	1 3/8 x 3	TVL-4572	3.65
50-30-25-200	150-150-150-10	1 3/8 x 2	TVL-4413.4	3.35	60-30-10-60	300-300-300-50	1 3/8 x 2 1/2	TVL-4573	4.20
<b>60-40-20-200</b>	<b>150-150-150-10</b>	<b>1 3/8 x 2</b>	<b>TVL-4414</b>	<b>3.45</b>	<b>150-30-30-150</b>	<b>300-300-300-50</b>	<b>1 3/8 x 4</b>	<b>TVL-4574</b>	<b>6.10</b>
80-80-10-200	150-150-150-10	1 3/8 x 2 1/2	TVL-4414.3	3.90	*40-40-40-20	300-300-300-150	1 3/8 x 3	TVL-4575	4.90
200-30-10-100	150-150-150-10	1 3/8 x 2 1/2	TVL-4414.2	4.10	80-20-20-200	300-300-300-150	1 3/8 x 3 1/2	TVL-4576	5.85
60-20-20-1000	150-150-150-15	1 3/8 x 2 1/2	TVL-4414.5	4.65	<b>120-40-40-10</b>	<b>300-300-300-250</b>	<b>1 3/8 x 4</b>	<b>TVL-4577</b>	<b>6.30</b>
*20-20-20-20	150-150-150-25	1 3/8 x 2	TVL-4414.7	2.85	*40-20-10-10	300-300-300-300	1 3/8 x 2	TVL-4578	3.95
30-20-20-100	150-150-150-25	1 3/8 x 2	TVL-4414.8	3.15	<b>40-40-20-10</b>	<b>300-300-300-300</b>	<b>1 3/8 x 3 1/2</b>	<b>TVL-4579</b>	<b>4.55</b>
<b>30-30-30-40</b>	<b>150-150-150-25</b>	<b>1 3/8 x 2</b>	<b>TVL-4415</b>	<b>3.10</b>	<b>40-40-30-20</b>	<b>300-300-300-300</b>	<b>1 3/8 x 3</b>	<b>TVL-4580</b>	<b>4.85</b>
*40-20-20-20	150-150-150-25	1 3/8 x 2	TVL-4417	2.95	<b>60-40-10-10</b>	<b>300-300-300-300</b>	<b>1 3/8 x 2 1/2</b>	<b>TVL-4583</b>	<b>4.55</b>
40-30-20-100	150-150-150-25	1 3/8 x 2	TVL-4418	3.20	100-40-20-20	300-300-300-300	1 3/8 x 3 1/2	TVL-4586	5.80
* <b>40-40-30-20</b>	<b>150-150-150-25</b>	<b>1 3/8 x 2</b>	<b>TVL-4420</b>	<b>3.10</b>	<b>150-100-10-5</b>	<b>300-300-300-300</b>	<b>1 3/8 x 4</b>	<b>TVL-4587</b>	<b>6.65</b>
40-40-30-120	150-150-150-25	1 3/8 x 2	TVL-4420.3	3.50	150-100-10-10	300-300-300-300	1 3/8 x 4	TVL-4587.1	6.75
<b>40-40-40-20</b>	<b>150-150-150-25</b>	<b>1 3/8 x 2</b>	<b>TVL-4421</b>	<b>3.15</b>	<b>140-100-20-70</b>	<b>300-300-300-300</b>	<b>1 3/8 x 4 1/2</b>	<b>TVL-4588</b>	<b>7.20</b>
40-40-40-100	150-150-150-25	1 3/8 x 2	TVL-4422	3.35	<b>150-150-30-30</b>	<b>300-300-300-300</b>	<b>1 3/8 x 4 1/2</b>	<b>TVL-4589</b>	<b>7.70</b>
<b>40-40-40-160</b>	<b>150-150-150-25</b>	<b>1 3/8 x 2</b>	<b>TVL-4423</b>	<b>3.55</b>	<b>200-20-20-20</b>	<b>300-300-300-300</b>	<b>1 3/8 x 4</b>	<b>TVL-4590</b>	<b>6.25</b>
50-20-20-200	150-150-150-25	1 3/8 x 2	TVL-4424	3.50	20-150-80-20	350-150-150-25	1 3/8 x 3	TVL-4603	4.55
<b>50-30-30-100</b>	<b>150-150-150-25</b>	<b>1 3/8 x 2</b>	<b>TVL-4424.5</b>	<b>3.40</b>	60-60-30-160	350-150-150-25	1 3/8 x 3	TVL-4603.2	4.40
<b>50-50-50-20</b>	<b>150-150-150-25</b>	<b>1 3/8 x 2</b>	<b>TVL-4425</b>	<b>3.55</b>	40-50-20-80	350-150-150-50	1 3/8 x 3	TVL-4603.4	4.05
50-50-50-100	150-150-150-25	1 3/8 x 2	TVL-4425.3	3.75	20-60-160-40	350-200-25-25	1 3/8 x 2	TVL-4603.6	3.90
*60-30-10-60	150-150-150-25	1 3/8 x 2	TVL-4426	3.30	15-80-40-200	350-200-200-25	1 3/8 x 3	TVL-4603.8	4.50
*60-40-20-20	150-150-150-25	1 3/8 x 2	TVL-4427	3.30	20-100-100-10	350-200-200-100	1 3/8 x 4	TVL-4604	5.00
60-60-10-60	150-150-150-25	1 3/8 x 2	TVL-4428	3.50	20-100-100-20	350-200-200-200	1 3/8 x 4	TVL-4604.3	5.15
70-40-40-25	150-150-150-25	1 3/8 x 2 1/2	TVL-4429	3.45	20-40-10-250	350-300-150-50	1 3/8 x 3	TVL-4604.5	4.60
					20-150-10-250	350-300-150-50	1 3/8 x 4	TVL-4604.7	6.10
					*40-40-20-20	350-300-300-25	1 3/8 x 3 1/2	TVL-4605	4.50
					160-30-30-20	350-300-300-50	1 3/8 x 4	TVL-4605.2	6.10

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# SPRAGUE CAPACITORS

## TVL TWIST-LOK ELECTROLYTICS, continued

$\mu$ F	WVDC	Dia.x Lgth.	Cat. No.	List	$\mu$ F	WVDC	Dia.x Lgth.	Cat. No.	List
30-30-50-100	350-300-300-75	1 3/8 x 3	TVL-4611	\$5.25	40-100-20-10	400-350-350-350	1 3/8 x 4	TVL-4661.6	\$6.30
40-80-10-10	350-300-300-300	1 3/8 x 2 1/2	TVL-4605.6	4.95	10-10-25-25	400-400-25-25	1 3/8 x 2	TVL-4662	2.80
140-100-20-20	350-300-300-300	1 3/8 x 4	TVL-4605.3	7.70	20-5-20-20	400-400-25-25	1 3/8 x 2	TVL-4662.4	3.05
160-60-10-4	350-300-300-300	1 3/8 x 4	TVL-4605.5	6.30	20-20-10-40	400-400-25-25	1 3/8 x 2	TVL-4662.5	3.45
40-10-100-25	350-350-25-25	1 3/8 x 2	TVL-4606	3.75	50-25-100-20	400-400-50-25	1 3/8 x 3	TVL-4663	4.65
60-4-100-40	350-350-25-25	1 3/8 x 2 1/2	TVL-4607	3.80	50-40-100-100	400-400-50-25	1 3/8 x 4	TVL-4663.2	5.10
60-20-80-100	350-350-150-50	1 3/8 x 4	TVL-4608	4.90	80-40-100-20	400-400-50-25	1 3/8 x 4	TVL-4663.4	5.55
50-15-150-150	350-350-150-150	1 3/8 x 4	TVL-4608.3	5.90	100-10-30-20	400-400-50-50	1 3/8 x 3 1/2	TVL-4663.5	5.10
*40-20-10-20	350-350-200-25	1 3/8 x 2	TVL-4608.5	3.90	20-10-10-25	400-400-100-25	1 3/8 x 2	TVL-4663.7	3.15
80-20-20-200	350-350-200-50	1 3/8 x 3 1/2	TVL-4608.7	5.40	20-10-20-25	400-400-200-25	1 3/8 x 2	TVL-4663.8	3.30
60-40-60-20	350-350-200-150	1 3/8 x 3 1/2	TVL-4609	5.05	10-10-40-10	400-400-200-50	1 3/8 x 2	TVL-4664	3.20
80-60-60-10	350-350-200-150	1 3/8 x 4	TVL-4609.3	5.70	40-30-80-10	400-400-200-200	1 3/8 x 3 1/2	TVL-4664.4	4.95
50-30-8-20	350-350-250-200	1 3/8 x 2 1/2	TVL-4609.6	4.45	40-10-80-10	400-400-250-250	1 3/8 x 3 1/2	TVL-4665	4.65
15-15-15-15	350-350-300-25	1 3/8 x 2	TVL-4610	3.45	5-5-50-80	400-400-300-250	1 3/8 x 3	TVL-4665.3	4.60
35-35-10-20	350-350-300-25	1 3/8 x 2 1/2	TVL-4610.6	4.15	50-20-20-25	400-400-350-25	1 3/8 x 3	TVL-4665.5	4.45
40-20-10-20	350-350-300-25	1 3/8 x 2	TVL-4610.7	3.95	60-40-40-10	400-400-350-50	1 3/8 x 3 1/2	TVL-4666	5.75
100-80-10-20	350-350-300-50	1 3/8 x 4	TVL-4610.8	6.60	100-10-20-20	400-400-350-50	1 3/8 x 4	TVL-4666.2	8.20
*10-10-10-10	350-350-300-300	1 3/8 x 2	TVL-4612	3.10	*20-20-20-20	400-400-400-25	1 3/8 x 2 1/2	TVL-4667	3.85
*10-10-10-20	350-350-350-25	1 3/8 x 2	TVL-4618	2.95	60-30-30-150	400-400-400-25	1 3/8 x 4	TVL-4668	5.80
20-10-5-10	350-350-350-25	1 3/8 x 2	TVL-4620	3.10	80-40-10-20	400-400-400-25	1 3/8 x 4	TVL-4669	5.30
30-10-5-200	350-350-350-25	1 3/8 x 2	TVL-4620.3	3.80	80-40-30-40	400-400-400-25	1 3/8 x 4	TVL-4670	5.95
*30-20-20-20	350-350-350-25	1 3/8 x 2 1/2	TVL-4620.5	4.05	90-40-10-40	400-400-400-25	1 3/8 x 4	TVL-4670.3	5.80
*40-20-5-10	350-350-350-25	1 3/8 x 2 1/2	TVL-4621	3.95	40-40-40-150	400-400-400-50	1 3/8 x 4	TVL-4670.5	5.70
40-20-20-25	350-350-350-25	1 3/8 x 2 1/2	TVL-4621.3	4.20	40-10-4-100	400-400-400-50	1 3/8 x 3	TVL-4670.9	4.85
*40-40-20-20	350-350-350-25	1 3/8 x 2 1/2	TVL-4621.6	4.65	90-20-10-50	400-400-400-50	1 3/8 x 4	TVL-4670.7	5.40
40-40-30-10	350-350-350-25	1 3/8 x 3	TVL-4622	4.95	80-20-10-100	400-400-400-50	1 3/8 x 3 1/2	TVL-4671	5.25
*40-40-40-40	350-350-350-25	1 3/8 x 3	TVL-4622.3	5.20	80-40-10-100	400-400-400-200	1 3/8 x 4	TVL-4671.2	6.35
120-20-10-50	350-350-350-25	1 3/8 x 3	TVL-4622.8	5.85	100-40-30-40	400-400-400-350	1 3/8 x 4	TVL-4672	5.90
15-15-15-50	350-350-350-50	1 3/8 x 2	TVL-4623	3.75	*30-30-20-20	400-400-400-400	1 3/8 x 3	TVL-4672.8	4.85
40-30-10-50	350-350-350-50	1 3/8 x 3	TVL-4624	4.35	*40-35-10-10	400-400-400-400	1 3/8 x 3	TVL-4673	4.45
40-40-40-150	350-350-350-50	1 3/8 x 4	TVL-4628	5.65	40-100-10-10	400-400-400-400	1 3/8 x 4	TVL-4681	6.10
50-40-20-100	350-350-350-50	1 3/8 x 3	TVL-4628.3	5.15	50-40-30-20	400-400-400-400	1 3/8 x 4	TVL-4674	5.65
50-40-40-160	350-350-350-50	1 3/8 x 4	TVL-4629	5.75	*80-10-10-10	400-400-400-400	1 3/8 x 3 1/2	TVL-4675	4.70
60-25-25-100	350-350-350-50	1 3/8 x 3 1/2	TVL-4630	5.15	80-25-10-10	400-400-400-400	1 3/8 x 4	TVL-4680	5.25
60-30-30-150	350-350-350-50	1 3/8 x 3	TVL-4630.4	5.50	40-40-30-10	450-150-50-50	1 3/8 x 3	TVL-4695	3.75
70-40-10-50	350-350-350-50	1 3/8 x 3	TVL-4631	5.25	10-80-40-100	450-200-200-50	1 3/8 x 3	TVL-4700	4.25
100-10-10-20	350-350-350-50	1 3/8 x 3 1/2	TVL-4632	5.15	20-80-20-50	450-200-200-50	1 3/8 x 3	TVL-4701	4.10
100-20-10-20	350-350-350-50	1 3/8 x 3 1/2	TVL-4633	5.40	60-40-10-80	450-250-150-50	1 3/8 x 3 1/2	TVL-4701.5	4.80
100-40-30-50	350-350-350-50	1 3/8 x 4	TVL-4634	6.55	*40-40-40-20	450-250-250-25	1 3/8 x 3	TVL-4702	4.55
140-20-10-100	350-350-350-50	1 3/8 x 4	TVL-4634.2	6.15	60-80-40-20	450-250-250-150	1 3/8 x 4	TVL-4702.3	5.65
90-30-5-100	350-350-350-75	1 3/8 x 3 1/2	TVL-4625	6.15	*10-100-10-100	450-300-75-25	1 3/8 x 3	TVL-4703.6	4.75
*80-60-40-20	350-350-350-150	1 3/8 x 4	TVL-4634.4	6.10	*10-10-60-100	450-300-200-50	1 3/8 x 3	TVL-4705	3.80
20-10-5-60	350-350-350-200	1 3/8 x 2 1/2	TVL-4634.5	3.65	*10-40-40-100	450-300-250-50	1 3/8 x 3 1/2	TVL-4703	4.40
30-10-5-100	350-350-350-200	1 3/8 x 2 1/2	TVL-4634.7	4.55	30-40-50-200	450-300-250-150	1 3/8 x 4	TVL-4703.3	6.10
30-20-5-100	350-350-350-200	1 3/8 x 3	TVL-4634.6	4.70	25-100-10-60	450-300-300-50	1 3/8 x 3	TVL-4703.5	5.30
130-20-10-40	350-350-350-300	1 3/8 x 4	TVL-4634.11	6.50	40-40-40-20	450-300-300-150	1 3/8 x 3	TVL-4703.7	4.90
*40-20-20-10	350-350-350-350	1 3/8 x 2 1/2	TVL-4635	4.35	*10-100-20-20	450-300-300-200	1 3/8 x 3	TVL-4704	5.05
*40-40-40-40	350-350-350-350	1 3/8 x 4	TVL-4635.3	6.00	10-100-20-20	450-300-300-300	1 3/8 x 3	TVL-4705.2	5.25
80-60-40-20	350-350-350-350	1 3/8 x 4	TVL-4635.7	6.40	10-40-80-10	450-350-200-200	1 3/8 x 3 1/2	TVL-4705.4	4.45
90-40-30-30	350-350-350-350	1 3/8 x 4	TVL-4635.8	6.80	10-40-100-100	450-350-250-50	1 3/8 x 3	TVL-4705.5	5.55
100-20-10-5	350-350-350-350	1 3/8 x 3	TVL-4635.9	5.45	40-30-15-50	450-350-300-50	1 3/8 x 3	TVL-4705.8	4.55
50-20-100-25	400-200-150-25	1 3/8 x 2 1/2	TVL-4636	4.65	10-140-100-20	450-350-300-300	1 3/8 x 4	TVL-4705.9	7.55
20-20-10-40	400-250-250-25	1 3/8 x 2 1/2	TVL-4636.5	3.35	10-100-10-20	450-350-350-25	1 3/8 x 3	TVL-4706	5.20
40-120-10-150	400-250-250-50	1 3/8 x 4	TVL-4637	5.90	*10-60-40-25	450-350-350-25	1 3/8 x 4	TVL-4707	4.60
*10-100-10-100	400-300-75-25	1 3/8 x 3 1/2	TVL-4638	4.70	20-15-15-20	450-350-350-25	1 3/8 x 2 1/2	TVL-4708	3.80
*30-40-50-200	400-300-250-150	1 3/8 x 4	TVL-4640	6.00	20-80-50-100	450-350-350-50	1 3/8 x 4	TVL-4711	6.00
20-30-20-20	400-300-300-25	1 3/8 x 2 1/2	TVL-4640.3	3.80	30-40-40-10	450-350-350-200	1 3/8 x 3 1/2	TVL-4708.3	5.15
80-40-20-10	400-300-300-300	1 3/8 x 4	TVL-4641	5.55	*80-10-30-40	450-400-300-150	1 3/8 x 4	TVL-4710	5.90
20-40-100-10	400-350-50-50	1 3/8 x 3	TVL-4650	4.20	80-10-40-30	450-400-300-300	1 3/8 x 4	TVL-4710.2	5.80
20-10-10-20	400-350-200-25	1 3/8 x 2	TVL-4652	3.20	5-60-50-20	450-400-350-25	1 3/8 x 3 1/2	TVL-4709	5.05
40-80-100-100	400-350-200-50	1 3/8 x 4	TVL-4653	6.45	10-40-30-40	450-400-400-25	1 3/8 x 3	TVL-4710.4	4.40
40-80-100-25	400-350-200-50	1 3/8 x 3 1/2	TVL-4654	5.95	80-40-10-150	450-400-400-50	1 3/8 x 4	TVL-4710.5	6.00
*40-10-80-10	400-350-250-250	1 3/8 x 4	TVL-4657	4.65	*10-40-40-100	450-400-400-50	1 3/8 x 3 1/2	TVL-4710.7	4.85
*10-50-30-30	400-350-350-25	1 3/8 x 3	TVL-4658	4.35	60-40-20-20	450-400-400-400	1 3/8 x 4	TVL-4711.3	5.85
35-25-25-20	400-350-350-25	1 3/8 x 2 1/2	TVL-4658.4	4.55	10-10-20-20	450-450-25-25	1 3/8 x 2	TVL-4711.6	2.90
80-40-10-10	400-350-350-25	1 3/8 x 4	TVL-4659	5.30	20-10-100-50	450-450-25-25	1 3/8 x 2	TVL-4711.8	3.55
20-50-40-80	400-350-350-50	1 3/8 x 3	TVL-4660	5.00	20-15-20-20	450-450-25-25	1 3/8 x 2	TVL-4712	3.45
30-60-20-100	400-350-350-50	1 3/8 x 4	TVL-4661	5.00	30-30-125-125	450-450-25-25	1 3/8 x 3	TVL-4712.3	4.85
40-80-10-100	400-350-350-200	1 3/8 x 4	TVL-4661.4	6.20					

# SPRAGUE CAPACITORS

## TVL TWIST-LOK ELECTROLYTICS, continued

μF	WVDC	Dia. x Lgth.	Cat. No.	List	μF	WVDC	Dia. x Lgth.	Cat. No.	List
*30-10-150-30	450-450-50-50	1 3/8 x 3	TVL-4712.5	\$4.15	40-20-20-10	450-450-450-450	1 3/8 x 3	TVL-4771.6	\$4.80
20-20-60-100	450-450-150-25	1 3/8 x 2 1/2	TVL-4712.7	4.25	<b>40-35-10-10</b>	<b>450-450-450-450</b>	<b>1 3/8 x 3</b>	<b>TVL-4771.8</b>	<b>4.80</b>
40-40-125-125	450-450-150-25	1 3/8 x 4	TVL-4712.8	5.70	40-40-4-4	450-450-450-450	1 3/8 x 3 1/2	TVL-4772	4.65
<b>10-10-60-100</b>	<b>450-450-200-50</b>	<b>1 3/8 x 3</b>	<b>TVL-4713</b>	<b>3.85</b>	<b>40-40-20-20</b>	<b>450-450-450-450</b>	<b>1 3/8 x 3 1/2</b>	<b>TVL-4773</b>	<b>5.55</b>
<b>35-25-20-100</b>	<b>450-450-200-50</b>	<b>1 3/8 x 3</b>	<b>TVL-4714</b>	<b>4.65</b>	<b>40-40-30-30</b>	<b>450-450-450-450</b>	<b>1 3/8 x 4</b>	<b>TVL-4774</b>	<b>6.05</b>
<b>40-40-100-60</b>	<b>450-450-200-200</b>	<b>1 3/8 x 4</b>	<b>TVL-4714.3</b>	<b>6.05</b>	<b>40-40-40-40</b>	<b>450-450-450-450</b>	<b>1 3/8 x 4</b>	<b>TVL-4775</b>	<b>6.45</b>
10-10-10-50	450-450-300-25	1 3/8 x 2	TVL-4716	3.15	<b>60-20-20-20</b>	<b>450-450-450-450</b>	<b>1 3/8 x 4</b>	<b>TVL-4778</b>	<b>5.65</b>
*40-40-10-50	450-450-300-50	1 3/8 x 3 1/2	TVL-4714.7	4.75	60-30-10-2	450-450-450-450	1 3/8 x 3	TVL-4779	5.10
*20-20-30-30	450-450-300-300	1 3/8 x 3 1/2	TVL-4715	4.50	70-10-10-5	450-450-450-450	1 3/8 x 3	TVL-4780	4.75
*20-20-30-30	450-450-350-350	1 3/8 x 3	TVL-4717	5.05	<b>80-10-10-10</b>	<b>450-450-450-450</b>	<b>1 3/8 x 4</b>	<b>TVL-4783</b>	<b>5.05</b>
*40-10-35-10	450-450-350-350	1 3/8 x 3 1/2	TVL-4718	4.60	<b>40-40-50-80</b>	<b>475-250-150-50</b>	<b>1 3/8 x 3 1/2</b>	<b>TVL-4793</b>	<b>5.00</b>
40-20-80-10	450-450-350-350	1 3/8 x 4	TVL-4719	5.80	<b>475-300-50-25</b>	<b>475-300-50-25</b>	<b>1 3/8 x 3</b>	<b>TVL-4800</b>	<b>4.45</b>
* <b>40-40-30-30</b>	<b>450-450-350-350</b>	<b>1 3/8 x 4</b>	<b>TVL-4720</b>	<b>5.90</b>	<b>475-300-300-25</b>	<b>475-300-300-25</b>	<b>1 3/8 x 3 1/2</b>	<b>TVL-4802</b>	<b>4.90</b>
* <b>10-10-10-20</b>	<b>450-450-450-25</b>	<b>1 3/8 x 2</b>	<b>TVL-4723</b>	<b>3.15</b>	<b>475-300-300-300</b>	<b>475-300-300-300</b>	<b>1 3/8 x 4</b>	<b>TVL-4801</b>	<b>5.00</b>
10-10-10-100	450-450-450-25	1 3/8 x 2	TVL-4723.3	3.35	<b>20-140-20-10</b>	<b>457-300-300-300</b>	<b>1 3/8 x 4</b>	<b>TVL-4801.2</b>	<b>5.85</b>
15-10-10-20	450-450-450-25	1 3/8 x 3	TVL-4723.5	3.30	*10-40-80-100	475-350-200-100	1 3/8 x 3 1/2	TVL-4802.6	5.25
20-10-10-100	450-450-450-25	1 3/8 x 2	TVL-4724	3.70	<b>20-40-80-100</b>	<b>475-350-200-100</b>	<b>1 3/8 x 4</b>	<b>TVL-4802.7</b>	<b>5.45</b>
* <b>20-20-20-20</b>	<b>450-450-450-25</b>	<b>1 3/8 x 2 1/2</b>	<b>TVL-4724.2</b>	<b>4.15</b>	<b>10-40-80-100</b>	<b>475-350-300-100</b>	<b>1 3/8 x 4</b>	<b>TVL-4802.8</b>	<b>5.55</b>
30-15-15-40	450-450-450-25	1 3/8 x 2 1/2	TVL-4724.4	3.30	10-30-5-80	475-350-350-50	1 3/8 x 2 1/2	TVL-4803	3.70
30-20-20-20	450-450-450-25	1 3/8 x 3	TVL-4724.5	4.40	<b>10-140-4-100</b>	<b>475-350-350-50</b>	<b>1 3/8 x 4</b>	<b>TVL-4803.3</b>	<b>5.85</b>
*30-30-10-20	450-450-450-25	1 3/8 x 3	TVL-4724.7	4.30	<b>10-130-20-10</b>	<b>475-350-350-350</b>	<b>1 3/8 x 4</b>	<b>TVL-4803.4</b>	<b>6.00</b>
30-30-10-125	450-450-450-25	1 3/8 x 3	TVL-4725	4.70	20-60-40-10	475-350-350-350	1 3/8 x 3 1/2	TVL-4803.7	5.20
*30-30-20-20	450-450-450-25	1 3/8 x 3	TVL-4725.4	4.65	<b>30-130-10-10</b>	<b>475-350-350-350</b>	<b>1 3/8 x 4</b>	<b>TVL-4803.8</b>	<b>6.40</b>
40-10-10-250	450-450-450-25	1 3/8 x 3	TVL-4726	4.65	<b>10-40-100-10</b>	<b>475-400-50-25</b>	<b>1 3/8 x 2 1/2</b>	<b>TVL-4804</b>	<b>4.05</b>
40-15-10-25	450-450-450-25	1 3/8 x 3	TVL-4729	4.05	<b>10-40-4-100</b>	<b>475-400-350-50</b>	<b>1 3/8 x 2 1/2</b>	<b>TVL-4805</b>	<b>4.80</b>
40-20-10-20	450-450-450-25	1 3/8 x 3	TVL-4730	4.25	<b>10-80-40-100</b>	<b>475-400-400-50</b>	<b>1 3/8 x 4</b>	<b>TVL-4805.2</b>	<b>5.05</b>
* <b>40-20-20-20</b>	<b>450-450-450-25</b>	<b>1 3/8 x 3</b>	<b>TVL-4731</b>	<b>4.60</b>	5-70-25-5	475-400-400-400	1 3/8 x 3 1/2	TVL-4805.5	5.05
<b>40-20-20-40</b>	<b>450-450-450-25</b>	<b>1 3/8 x 3</b>	<b>TVL-4732</b>	<b>4.65</b>	10-10-80-50	475-450-200-60	1 3/8 x 3	TVL-4806	3.85
<b>40-30-10-20</b>	<b>450-450-450-25</b>	<b>1 3/8 x 3</b>	<b>TVL-4734</b>	<b>4.50</b>	25-20-20-100	475-450-300-50	1 3/8 x 3	TVL-4809	4.80
<b>40-40-10-20</b>	<b>450-450-450-25</b>	<b>1 3/8 x 3 1/2</b>	<b>TVL-4736</b>	<b>4.70</b>	25-20-40-100	475-450-300-50	1 3/8 x 3 1/2	TVL-4810	4.95
* <b>40-40-20-20</b>	<b>450-450-450-25</b>	<b>1 3/8 x 3 1/2</b>	<b>TVL-4737</b>	<b>5.00</b>	<b>10-60-30-125</b>	<b>475-450-400-50</b>	<b>1 3/8 x 4</b>	<b>TVL-4811</b>	<b>5.55</b>
* <b>40-40-40-40</b>	<b>450-450-450-25</b>	<b>1 3/8 x 3</b>	<b>TVL-4739</b>	<b>5.50</b>	<b>10-50-30-30</b>	<b>475-450-450-25</b>	<b>1 3/8 x 3</b>	<b>TVL-4813</b>	<b>4.75</b>
50-40-5-20	450-450-450-25	1 3/8 x 3	TVL-4739.3	4.80	<b>10-40-10-100</b>	<b>475-450-450-50</b>	<b>1 3/8 x 2 1/2</b>	<b>TVL-4814</b>	<b>4.30</b>
60-40-40-10	450-450-450-25	1 3/8 x 4	TVL-4739.4	6.00	<b>15-15-80-40</b>	<b>475-475-300-50</b>	<b>1 3/8 x 3</b>	<b>TVL-4815</b>	<b>4.80</b>
<b>60-50-5-20</b>	<b>450-450-450-25</b>	<b>1 3/8 x 4</b>	<b>TVL-4739.5</b>	<b>5.35</b>	50-30-20-20	475-475-300-300	1 3/8 x 4	TVL-4816	5.70
<b>80-40-40-40</b>	<b>450-450-450-25</b>	<b>1 3/8 x 4</b>	<b>TVL-4739.6</b>	<b>6.45</b>	40-10-4-40	475-475-350-300	1 3/8 x 3	TVL-4817	4.95
10-10-10-150	450-450-450-50	1 3/8 x 2 1/2	TVL-4739.7	3.70	<b>20-10-20-100</b>	<b>475-475-450-25</b>	<b>1 3/8 x 2 1/2</b>	<b>TVL-4818</b>	<b>4.20</b>
<b>20-20-20-100</b>	<b>450-450-450-50</b>	<b>1 3/8 x 2 1/2</b>	<b>TVL-4740</b>	<b>4.55</b>	10-5-80-40	475-475-450-50	1 3/8 x 3 1/2	TVL-4819	4.90
<b>30-30-15-30</b>	<b>450-450-450-50</b>	<b>1 3/8 x 3</b>	<b>TVL-4742</b>	<b>4.55</b>	30-30-10-20	475-475-475-25	1 3/8 x 3	TVL-4821	4.55
30-30-15-100	450-450-450-50	1 3/8 x 3 1/2	TVL-4742.2	4.85	*40-20-10-10	475-475-475-25	1 3/8 x 3	TVL-4822	4.85
* <b>40-20-10-100</b>	<b>450-450-450-50</b>	<b>1 3/8 x 3 1/2</b>	<b>TVL-4743</b>	<b>4.60</b>	80-30-10-20	475-475-475-25	1 3/8 x 4	TVL-4824	5.85
<b>40-40-10-25</b>	<b>450-450-450-50</b>	<b>1 3/8 x 3</b>	<b>TVL-4745</b>	<b>4.70</b>	*20-20-10-10	475-475-475-300	1 3/8 x 2 1/2	TVL-4826	4.30
<b>40-40-10-50</b>	<b>450-450-450-50</b>	<b>1 3/8 x 4</b>	<b>TVL-4746</b>	<b>4.80</b>	<b>50-30-10-20</b>	<b>475-475-475-300</b>	<b>1 3/8 x 3 1/2</b>	<b>TVL-4827</b>	<b>5.60</b>
<b>60-40-10-25</b>	<b>450-450-450-50</b>	<b>1 3/8 x 4</b>	<b>TVL-4746.5</b>	<b>5.25</b>	*10-10-10-10	475-475-475-475	1 3/8 x 2	TVL-4830	3.50
<b>40-40-10-100</b>	<b>450-450-450-100</b>	<b>1 3/8 x 3 1/2</b>	<b>TVL-4747</b>	<b>5.55</b>	<b>20-20-10-10</b>	<b>475-475-475-475</b>	<b>1 3/8 x 2 1/2</b>	<b>TVL-4832</b>	<b>4.35</b>
10-10-10-10	450-450-450-150	1 3/8 x 2	TVL-4750	3.15	<b>20-20-20-20</b>	<b>475-475-475-475</b>	<b>1 3/8 x 3</b>	<b>TVL-4834</b>	<b>5.10</b>
60-10-10-20	450-450-450-150	1 3/8 x 3	TVL-4753	4.55	40-10-10-10	475-475-475-475	1 3/8 x 3	TVL-4838	4.65
35-35-10-10	450-450-450-200	1 3/8 x 3 1/2	TVL-4755	4.60	<b>40-20-10-10</b>	<b>475-475-475-475</b>	<b>1 3/8 x 3</b>	<b>TVL-4840</b>	<b>5.10</b>
40-10-10-100	450-450-450-200	1 3/8 x 4	TVL-4755.4	4.90	10-10-4-20	500-300-300-25	1 3/8 x 2	TVL-4909	2.90
40-40-30-10	450-450-450-200	1 3/8 x 4	TVL-4756*	5.35	10-100-30-100	500-300-300-25	1 3/8 x 3 1/2	TVL-4910	5.20
30-10-10-10	450-450-450-250	1 3/8 x 2 1/2	TVL-4756.3	3.85	5-100-10-200	500-300-300-150	1 3/8 x 4	TVL-4912	5.85
*40-10-10-40	450-450-450-250	1 3/8 x 3 1/2	TVL-4756.6	4.45	20-80-20-10	500-300-300-300	1 3/8 x 3 1/2	TVL-4914	5.00
<b>40-20-10-100</b>	<b>450-450-450-250</b>	<b>1 3/8 x 4</b>	<b>TVL-4757</b>	<b>5.85</b>	<b>30-10-150-30</b>	<b>500-450-50-50</b>	<b>1 3/8 x 3</b>	<b>TVL-4917</b>	<b>4.20</b>
60-10-10-40	450-450-450-250	1 3/8 x 3 1/2	TVL-4757.5	4.95	<b>10-10-10-10</b>	<b>500-500-500-500</b>	<b>1 3/8 x 2</b>	<b>TVL-4940</b>	<b>3.50</b>
40-10-10-40	450-450-450-350	1 3/8 x 3	TVL-4758	4.75	<b>40-40-8-8</b>	<b>500-500-500-500</b>	<b>1 3/8 x 3 1/2</b>	<b>TVL-4944</b>	<b>5.70</b>
40-20-20-20	450-450-450-350	1 3/8 x 3	TVL-4758.4	5.00					
40-40-10-10	450-450-450-350	1 3/8 x 3 1/2	TVL-4759	4.80					
5-5-5-5	450-450-450-450	1 3/8 x 2	TVL-4759.7	3.00					
* <b>10-10-10-10</b>	<b>450-450-450-450</b>	<b>1 3/8 x 2</b>	<b>TVL-4760</b>	<b>3.35</b>					
<b>20-10-10-10</b>	<b>450-450-450-450</b>	<b>1 3/8 x 2</b>	<b>TVL-4761</b>	<b>3.70</b>					
* <b>20-20-20-20</b>	<b>450-450-450-450</b>	<b>1 3/8 x 3</b>	<b>TVL-4763</b>	<b>4.70</b>					
25-20-20-20	450-450-450-450	1 3/8 x 3 1/2	TVL-4763.4	4.85					
30-15-15-15	450-450-450-450	1 3/8 x 3	TVL-4766	4.45					
30-20-20-10	450-450-450-450	1 3/8 x 3	TVL-4767	4.60					
30-30-15-10	450-450-450-450	1 3/8 x 3 1/2	TVL-4769	4.70					
<b>30-30-20-20</b>	<b>450-450-450-450</b>	<b>1 3/8 x 3</b>	<b>TVL-4769.4</b>	<b>5.20</b>					
30-30-30-15	450-450-450-450	1 3/8 x 4	TVL-4770	5.20					
<b>35-35-10-5</b>	<b>450-450-450-450</b>	<b>1 3/8 x 3</b>	<b>TVL-4771</b>	<b>4.60</b>					
* <b>40-10-10-10</b>	<b>450-450-450-450</b>	<b>1 3/8 x 3</b>	<b>TVL-4771.3</b>	<b>4.10</b>					

### CLOSED-TOP INSULATING TUBES

Tightly-fitting closed-top tubes made of black Kraftboard

Order with capacitors as required. List Price \$1.0 each

Cat. No.	Description	Cat. No.	Description
HKT-1	For 1 x 2 can	HKT-8	For 1 3/8 x 3 1/2 can
HKT-2	For 1 x 2 1/2 can	HKT-9	For 1 3/8 x 4 can
HKT-3	For 1 x 3 can	<b>MOUNTING PLATES</b>	
HKT-4	For 1 x 4 can	List Price \$1.10 if Bought Separately	
HKT-5	For 1 3/8 x 2 can	36-17	Metal 1
HKT-6	For 1 3/8 x 2 1/2 can	36-18	Metal 1 3/8

# SPRAGUE CAPACITORS

## INTERCHANGEABILITY GUIDE FOR TVL TWIST-LOK® ELECTROLYTICS

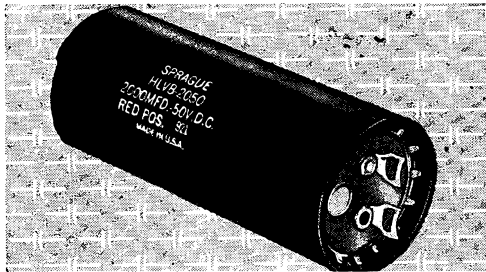
Many catalog numbers in the "Possible Alternate" column are preceded with either asterisks or daggers. This indicates that the possible alternate is longer than the original type. This added length seldom causes any difficulty, however, you should check to see if there is sufficient space to install the recommended alternate in the set. The Size Difference Table on next page will tell you how much additional length the possible alternate has. In all cases the diameter is the same as the original type.

Type	Possible Alternate	Type	Possible Alternate	Type	Possible Alternate	Type	Possible Alternate
TVL-1112	†TVL-1338	TVL-1720	TVL-1947	TVL-2621	TVL-2628	TVL-3451	TVL-3461.4
TVL-1115	TVL-1168	TVL-1725	TVL-1950	TVL-2623	TVL-2768	TVL-3460	TVL-3506
TVL-1125	TVL-1165	TVL-1735	†TVL-1958	TVL-2625	†TVL-2820	TVL-3462	TVL-3532
TVL-1140	TVL-1170	TVL-1807	TVL-1943	TVL-2626	†TVL-2755	TVL-3463	TVL-3636
TVL-1207	TVL-1308	TVL-1810	TVL-1947	TVL-2633	TVL-2776.5	TVL-3464	†TVL-3477
TVL-1211	††TVL-1728	TVL-1850	TVL-1960	TVL-2634	†TVL-2778	TVL-3472	††TVL-3639
TVL-1215	TVL-1317	TVL-2207	†TVL-2755	TVL-2638	††TVL-2780	TVL-3474	TVL-3516
TVL-1230	†TVL-1338	TVL-2210	TVL-2520	TVL-2657	TVL-2677	TVL-3480	TVL-3532
TVL-1403	TVL-1705	TVL-2320	TVL-2435	TVL-2660	TVL-2820	TVL-3504	TVL-3786
TVL-1405	TVL-1714	TVL-2408	TVL-2425	TVL-2663	TVL-2824	TVL-3513	TVL-3620
TVL-1407	TVL-1716	TVL-2412	TVL-2425	TVL-2668	TVL-2772	TVL-3520	*TVL-3965
TVL-1408	†TVL-1947	TVL-2414	†TVL-2754	TVL-2672	TVL-2776	TVL-3525	TVL-3545
TVL-1412	TVL-1621	TVL-2415	†TVL-2755	TVL-2673	TVL-2776.5	TVL-3537	†TVL-3639.8
TVL-1415	*TVL-1728	TVL-2422	††TVL-2628	TVL-2675	TVL-2778	TVL-3555	††TVL-3779
TVL-1417	††TVL-1624	TVL-2427	††TVL-2574	TVL-2702	†TVL-2755	TVL-3560	††TVL-3639.2
TVL-1420	TVL-1573	TVL-2428	†TVL-2520	TVL-2705	TVL-2776	TVL-3561	†TVL-3689
TVL-1421	††TVL-1958	TVL-2438	TVL-2461	TVL-2706	TVL-2776.5	TVL-3561.5	TVL-3583
TVL-1430	TVL-1642	TVL-2442	††TVL-2778	TVL-2710	††TVL-2851	TVL-3565	†TVL-3739
TVL-1431	*TVL-1547	TVL-2442.4	††TVL-2585	TVL-2717	††TVL-2851	TVL-3573	††TVL-3842
TVL-1460	††TVL-1950	TVL-2443	†TVL-2641	TVL-2720	†TVL-2778	TVL-3577	††TVL-3786
TVL-1505	TVL-1709	TVL-2443.7	††TVL-2535	TVL-2730	TVL-2776.5	TVL-3580	††TVL-3952
TVL-1509	†TVL-1943	TVL-2444	TVL-2470	TVL-2735	†TVL-2827	TVL-3582	†TVL-3689
TVL-1516	†TVL-1947	TVL-2447	*TVL-2538	TVL-2736	TVL-2762	TVL-3605	TVL-3707.4
TVL-1519	††TVL-1950	TVL-2455	††TVL-2824	TVL-2737	TVL-2940	TVL-3608	TVL-3707.4
TVL-1522	††TVL-1728	TVL-2458	†TVL-2641	TVL-2750	†TVL-2933	TVL-3612	TVL-3636
TVL-1525	TVL-1624	TVL-2460	TVL-2520	TVL-2753	TVL-2820	TVL-3615	TVL-3639.8
TVL-1530	TVL-1573	TVL-2464	TVL-2641	TVL-2757	TVL-2824	TVL-3628	TVL-3731
TVL-1535	††TVL-1578	TVL-2507	†TVL-2709.3	TVL-2757.2	††TVL-2936	TVL-3634	††TVL-3735
TVL-1560	TVL-1709	TVL-2508	†TVL-2711	TVL-2759	†TVL-2937	TVL-3635	††TVL-3739
TVL-1563	†TVL-1947	TVL-2510	†TVL-2933	TVL-2764	†TVL-2940	TVL-3635.5	TVL-3639.8
TVL-1567	†TVL-1728	TVL-2515	††TVL-2755	TVL-2770	TVL-2944	TVL-3636.3	††TVL-3840
TVL-1570	TVL-1624	TVL-2517	TVL-2628	TVL-2810	†TVL-2813	TVL-3638.2	*TVL-3819
TVL-1580	†TVL-1760	TVL-2555	†TVL-2755	TVL-2815	TVL-2940	TVL-3638.9	†TVL-3935
TVL-1584	TVL-1642	TVL-2559	TVL-2711	TVL-2830	TVL-2940	TVL-3639.5	TVL-3639.8
TVL-1605	TVL-1940	TVL-2565	†TVL-2933	TVL-2840	TVL-2944	TVL-3639.6	††TVL-3779
TVL-1608	TVL-1709	TVL-2568	†TVL-2820	TVL-2926	TVL-2940	TVL-3639.7	TVL-3687.4
TVL-1612	†TVL-1943	TVL-2575	††TVL-2940	TVL-3210	TVL-3532	TVL-3640	TVL-3791
TVL-1617	*TVL-1947	TVL-2576	†TVL-2767	TVL-3413.5	TVL-3423.2	TVL-3641	††TVL-3724.7
TVL-1621	††TVL-1950	TVL-2578	†TVL-2768	TVL-3413.8	†TVL-3426.4	TVL-3663	TVL-3791
TVL-1622	††TVL-1728	TVL-2579	††TVL-2772	TVL-3415	*TVL-3965	TVL-3667	TVL-3689
TVL-1630	††TVL-1958	TVL-2582	††TVL-2778	TVL-3417	TVL-3636	TVL-3671	†TVL-3910.6
TVL-1638	†TVL-1760	TVL-2584	TVL-2677	TVL-3419	†TVL-3620	TVL-3672	TVL-3685
TVL-1655	TVL-1940	TVL-2589	†TVL-2679	TVL-3422	††TVL-3540	TVL-3675	TVL-3734
TVL-1660	†TVL-1943	TVL-2604	†TVL-2755	TVL-3424	TVL-3438	TVL-3678	TVL-3739
TVL-1663	TVL-1820	TVL-2607	TVL-2711	TVL-3431.5	TVL-3443.6	TVL-3682.4	TVL-3752
TVL-1675	TVL-1950	TVL-2612	†TVL-2827	TVL-3432	†TVL-3444	TVL-3687	TVL-3779
TVL-1679	TVL-1750	TVL-2617	TVL-2724	TVL-3432.8	††TVL-3952	TVL-3690	†TVL-3952
TVL-1705	TVL-1940	TVL-2618	TVL-2677	TVL-3433	†TVL-3532	TVL-3701	TVL-3731
TVL-1714	†TVL-1943	TVL-2620	†TVL-2754	TVL-3437	††TVL-3540	TVL-3705	TVL-3707.4

# SPRAGUE CAPACITORS

## INTERCHANGEABILITY GUIDE (cont.)

Type	Possible Alternate	Type	Possible Alternate	Type	Possible Alternate	Type	Possible Alternate
TVL-3713	†TVL-3724.4	TVL-3805.3	†TVL-3935	TVL-4575	TVL-4703.7	TVL-4717	TVL-4759.4
TVL-3719	TVL-3731	TVL-3806	†TVL-3816	TVL-4578	††TVL-4840	TVL-4718	TVL-4771.8
TVL-3725	TVL-3789	TVL-3813	TVL-3909	TVL-4605	TVL-4737	TVL-4720	TVL-4774
TVL-3725.2	TVL-3791	TVL-3815.6	TVL-3842	TVL-4608.5	††TVL-4730	TVL-4723	TVL-4761
TVL-3729	††TVL-3952	TVL-3816.3	TVL-3939	TVL-4612	TVL-4940	TVL-4724.2	†TVL-4834
TVL-3741	†TVL-3840	TVL-3816.5	TVL-3816.8	TVL-4618	TVL-4761	TVL-4724.7	TVL-4821
TVL-3743.7	†TVL-3842	TVL-3817	**TVL-3819	TVL-4620.5	†TVL-4724.5	TVL-4725.4	TVL-4769.4
TVL-3744	†TVL-3786	TVL-3820	†TVL-3822	TVL-4621.6	††TVL-4773	TVL-4737	TVL-4773
TVL-3744.2	†TVL-3787	TVL-3835	TVL-3952	TVL-4622.3	††TVL-4775	TVL-4739	††TVL-4775
TVL-3754	††TVL-3965	TVL-3841	TVL-3962	TVL-4634.4	TVL-4635.7	TVL-4750	TVL-4940
TVL-3754.2	TVL-3815.3	TVL-3905	††TVL-3935	TVL-4635.3	TVL-4775	TVL-4802.6	TVL-4758
TVL-3755	TVL-3764	TVL-3908	†TVL-3910	TVL-4638	TVL-4802	TVL-4760	TVL-4940
TVL-3758	TVL-3787	TVL-3911	TVL-3965	TVL-4640	TVL-4703.3	TVL-4763	TVL-4834
TVL-3762	TVL-3815.3	TVL-3920	†TVL-3956	TVL-4657	TVL-4665	TVL-4802.6	†TVL-4802.8
TVL-3766	TVL-3778	TVL-4210	**TVL-4775	TVL-4658	TVL-4813	TVL-4822	TVL-4840
TVL-3770	TVL-3789	TVL-4410	TVL-4411.5	TVL-4667	†TVL-4834	TVL-4826	TVL-4832
TVL-3772	TVL-3962	TVL-4414.7	††TVL-4834	TVL-4672.8	TVL-4769.4	TVL-4830	TVL-4940
TVL-3775	TVL-3791	TVL-4420	††TVL-4580	TVL-4673	TVL-4771.8	SIZE DIFFERENCE TABLE	
TVL-3776	†TVL-3952	TVL-4426	†TVL-4573	TVL-4675	†TVL-4783	† Indicates ½" Additional Length  †† Indicates 1" Additional Length  * Indicates 1½" Additional Length  ** Indicates 2" Additional Length	
TVL-3781	TVL-3956	TVL-4427	**TVL-4711.3	TVL-4702	TVL-4703.7		
TVL-3781.5	TVL-3839	TVL-4432	*TVL-4739.6	TVL-4703	TVL-4747		
TVL-3783	TVL-3962	TVL-4470	††TVL-4730	TVL-4705	TVL-4713		
TVL-3785	††TVL-3965	TVL-4516	TVL-4705.5	TVL-4707	TVL-4746.5		
TVL-3800	TVL-3903	TVL-4524	TVL-4635.7	TVL-4710	TVL-4710.2		
TVL-3802	††TVL-3935	TVL-4536	††TVL-4773	TVL-4710.7	TVL-4747		
TVL-3803	††TVL-3935	TVL-4560	*TVL-4775	TVL-4712.5	TVL-4917		
TVL-3804	TVL-3965	TVL-4565	TVL-4761	TVL-4714.7	†TVL-4746		
TVL-3805	TVL-3907	TVL-4572	TVL-4742	TVL-4715	TVL-4769.4		



### HLVB HIGH-MF ELECTROLYTICS

- Very High Capacitance Ratings Available
- Designed for Low Voltage Filter Circuits
- Housed in Molded Phenolic Case
- Mount Easily, Securely, With Hardware Listed Below

µF	WVDC	Diam. x Length	Cat. No.	List
500	6	1 7/8 x 2 3/4	HLVB-56	\$3.05
1000	6	1 7/8 x 2 3/4	HLVB-106	3.40
1500	6	1 7/8 x 2 3/4	HLVB-156	3.60
2000	6	1 7/8 x 2 3/4	HLVB-206	3.80
4000	10	1 7/8 x 3 3/8	HLVB-4010	4.75
6000	10	1 7/8 x 4 3/8	HLVB-6010	7.50
10000	10	1 7/8 x 4 3/8	HLVB-10010	8.25
500	12	1 7/8 x 2 3/4	HLVB-512	3.20
1000	12	1 7/8 x 2 3/4	HLVB-1012	3.75
1500	12	1 7/8 x 2 3/4	HLVB-1512	3.95
2000	12	1 7/8 x 2 3/4	HLVB-2012	4.15
500	15	1 7/8 x 2 3/4	HLVB-515	3.25
1000	15	1 7/8 x 2 3/4	HLVB-1015	3.80
1500	15	1 7/8 x 2 3/4	HLVB-1515	4.00
2000	15	1 7/8 x 2 3/4	HLVB-2015	4.70
4000	15	1 7/8 x 4 3/8	HLVB-4015	7.10
6000	15	1 7/8 x 4 3/8	HLVB-6015	8.05
6000	20	2 1/8 x 4 3/8	HLVB-6020	8.65
500	25	1 7/8 x 2 3/4	HLVB-525	3.80
1000	25	1 7/8 x 2 3/4	HLVB-1025	4.85
2000	25	1 7/8 x 4 3/8	HLVB-2025	5.75
4000	25	1 7/8 x 4 3/8	HLVB-4025	7.95
500	50	1 7/8 x 3 3/8	HLVB-550	4.25
1000	50	1 7/8 x 3 3/8	HLVB-1050	7.00
2000	50	1 7/8 x 4 3/8	HLVB-2050	9.10
3000	50	1 7/8 x 4 3/8	HLVB-3050	11.50

µF	WVDC	Diam. x Length	Cat. No.	List
4000	50	2 1/8 x 4 3/8	HLVB-4050	\$12.50
1000	150	1 13/16 x 4 3/8	HLVB-10150	10.50
500	200	1 13/16 x 4 3/8	HLVB-5200	9.80

#### HLVB MOUNTING HARDWARE HORIZONTAL "U" BRACKETS

Capacitor Size Dia. x Length	Cat. No.	List Price
1 7/8 x 2 3/4	ABB-1	\$ .30
1 7/8 x 3 3/8	ABB-2	.35
1 13/16 x 3 3/8		
1 13/16 x 4 3/8	ABB-3	.40
2 1/8 x 4 3/8		

#### END CAPS

Cap. Diam.	Cat. No.	List Price
1 7/8	ABC-2	\$ .25
1 13/16	ABC-4	.30
2 1/8	ABC-6	.35

#### VERTICAL MOUNTING CLAMPS

Cap. Diam.	Cat. No.	List Price
1 13/16	CMC-28A	\$ .30
2 1/8	CMC-32	.60

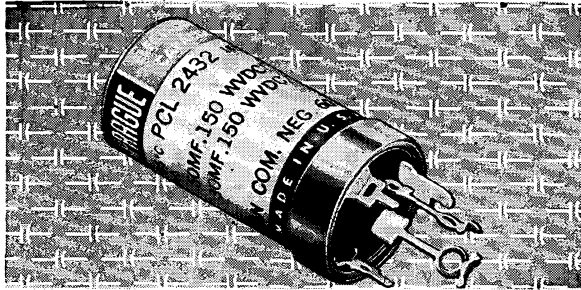
All prices and sizes subject to change without notice.



# SPRAGUE CAPACITORS

## PCL PRINT-LOK® ELECTROLYTICS

WITH UNIVERSAL PRINTED WIRING BOARD MOUNTING BASE



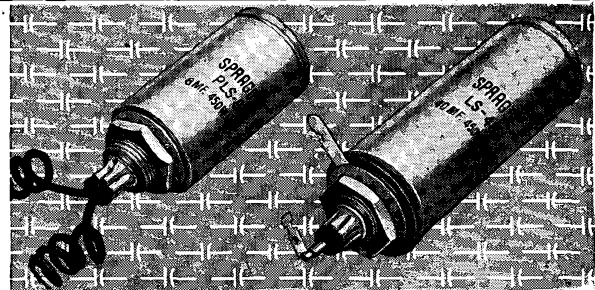
- Universal Printed Circuit Version of Famous Sprague Twist-Lok®. No Makeshift Mounting Adapters Required—No Possibility of High Resistance Contacts—No Possibility of Damaging Capacitor While Installing Adapters—No Extra Height Problems as With Adapters
- Fit all Printed Circuit Mountings or Standard Twist Base Mountings With a Touch of the Pliers
- Withstand High Surge Voltages, High Ripple Currents and Extremely High Temperatures (85°C-185°F)
- Superior Electrically and Mechanically to Competitive Units
- Hermetically Sealed in Aluminum Cans for Long Life and Dependable Performance

μF	WVDC	D. x L.	Cat. No.	List
140	150	1 x 2½	PCL-1428	\$2.15
375	166	1½ x 3½	PCL-1440	3.00
160	200	1½ x 2	PCL-1473	1.80
20	450	1 x 2	PCL-1714	3.15
250-250	16-16	1 x 2	PCL-2170	2.75
400-200	16-16	1 x 2	PCL-2173	2.55
500-100	16-16	1 x 2	PCL-2175	2.50
700-300	16-16	1 x 2	PCL-2179	3.65
800-250	16-16	1 x 2½	PCL-2180	3.35
50-30	150-150	1 x 2	PCL-2432	2.00
50-50	150-150	1 x 2½	PCL-2435.1	2.15
70-30	150-150	1 x 2	PCL-2439	2.20
80-30	150-150	1 x 2	PCL-2441	2.25
80-40	150-150	1 x 2½	PCL-2442	2.30
80-50	150-150	1 x 2½	PCL-2442.1	2.40
200-5	150-150	1½ x 2½	PCL-2444	2.70
2-20	300-25	1 x 2	PCL-2553	1.45
10-10	300-50	1 x 2	PCL-2556.8	1.60
150-100	300-150	1½ x 3½	PCL-2560.3	4.50
10-10	300-300	1½ x 2	PCL-2565	1.75
250-250-50	16-16-16	1 x 2	PCL-3022	3.25
450-100-100	16-16-16	1 x 2	PCL-3026.3	3.15
500-250-50	16-16-16	1 x 2	PCL-3026.5	3.50
500-250-250	16-16-16	1 x 2	PCL-3026.6	4.10
700-200-100	16-16-16	1 x 1½	PCL-3027.5	3.15
70-30-100	150-150-10	1 x 2	PCL-3411	2.80
80-60-250	150-150-10	1 x 2½	PCL-3414.3	3.40

μF	WVDC	D. x L.	Cat. No.	List
80-60-400	150-150-10	1 x 3	PCL-3414.4	\$3.65
90-40-400	150-150-10	1 x 3	PCL-3414.5	3.50
80-20-20	150-150-25	1 x 2½	PCL-3415.5	2.65
40-20-20	150-150-25	1 x 2	PCL-3422	2.30
70-30-20	150-150-25	1 x 2½	PCL-3431.1	2.70
30-30-30	150-150-150	1 x 2	PCL-3435.1	2.50
40-40-20	150-150-150	1 x 2	PCL-3439	2.50
50-30-20	150-150-150	1 x 2	PCL-3440.5	2.60
50-40-30	150-150-150	1 x 2½	PCL-3441.2	2.70
60-60-40	150-150-150	1½ x 2	PCL-3443.5	3.05
70-15-15	150-150-150	1 x 2	PCL-3443.3	2.70
10-10-20	300-50-25	1 x 2	PCL-3554	2.10
150-60-200	300-200-15	1½ x 4	PCL-3560.8	5.95
150-100-30	300-300-300	1½ x 4	PCL-3586	6.35
125-5-100	350-150-10	1½ x 3½	PCL-3606.5	4.60
20-20-20	350-300-25	1 x 2	PCL-3617.6	2.75
40-30-20	400-350-300	1½ x 2½	PCL-3672.5	3.95
290-30-10-100	150-150-150-10	1½ x 3½	PCL-4414.4	4.50
50-40-10-50	150-150-150-25	1½ x 2	PCL-4424.6	3.15
100-40-10-50	150-150-150-25	1½ x 2	PCL-4436.5	3.70
60-60-40-10	150-150-150-150	1½ x 2	PCL-4443.5	3.65
100-60-100-100	350-350-350-10	1½ x 4½	PCL-4607.9	6.85
100-60-60-40	250-350-200-75	1½ x 4	PCL-4608.9	6.55
100-60-40-40	350-350-300-75	1½ x 4	PCL-4611.2	6.80
40-20-10-100	350-350-350-50	1½ x 2½	PCL-4627	4.30
40-30-20-20	400-350-350-350	1½ x 2½	PCL-4708.5	4.95

## SCREWBASE 'LYTICS

- \*Type PLS—The Capacitor Sections Have Separate Positive Leads and a Common Negative Lead
- \*Types LS and SC—Log Connection is Positive, Can is Negative
- \*Type CL—The Can is Insulated from the Sections... There are Separate Positive and Negative Leads
- \*Type WR—These Capacitors are Designed to Replace Wet Electrolytics... They Will Withstand Extremely High A-C Ripple... Have Lug Terminals
- \*Type AP—Sections are Connected in Series... Insulated Leads



μF	Diam. x Length	Cat. No.	List
<b>TYPE PLS—450 WVDC, 535 V Surge</b>			
4	1½ x 2½	PLS-4	\$2.00
8	1½ x 2½	PLS-8	2.20
12	1½ x 2½	PLS-12	2.40
16	1½ x 2½	PLS-16	2.45
20	1½ x 2½	PLS-20	2.70
25	1½ x 3½	PLS-25	2.90
30	1½ x 2½	PLS-30	3.00
40	1½ x 3½	PLS-40	3.15
4+8	1½ x 2½	PLS-48	2.95
8+8	1½ x 2½	PLS-88	3.00
8+16	1½ x 2½	PLS-816	3.30
16+16	1½ x 3½	PLS-216	3.55
8+8+8	1½ x 2½	PLS-888	5.00

μF	Diam. x Length	Cat. No.	List
<b>TYPE LS—450 WVDC, 525 V Surge</b>			
8	1½ x 2½	LS-8	\$2.20
12	1½ x 2½	LS-12	2.40
16	1½ x 2½	LS-16	2.45
20	1½ x 2½	LS-20	2.70
25	1½ x 3½	LS-25	2.90
30	1½ x 3½	LS-30	3.00
40	1½ x 3½	LS-40	3.15
8+8	1½ x 2½	LS-88	3.00
<b>TYPE CL—475 WVDC, 600 V Surge</b>			
8	1½ x 4½	CL-8	2.75
16	1½ x 4½	CL-16	3.15
8+8	1½ x 4½	CL-88	4.10

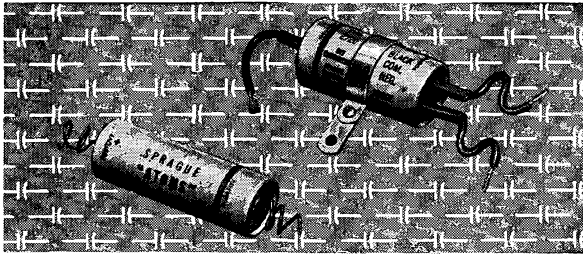
μF	Diam. x Length	Cat. No.	List
<b>TYPE SC—475 WVDC, 600 V Surge</b>			
4	1 x 3½	SC-4	\$2.55
8	1½ x 4½	SC-8	2.75
12	1½ x 4½	SC-12	2.95
16	1½ x 4½	SC-16	3.15
8+8	1½ x 4½	SC-88	4.10
<b>TYPE WR—500 WVDC, 600 V Surge</b>			
8	1½ x 2½	WR-8	2.85
16	1½ x 2½	WR-16	3.30
25	1½ x 2½	WR-25	3.75
<b>TYPE AP—600 WVDC, 800 V Surge</b>			
4	1 x 4½	AP-46	2.95
8	1½ x 4½	AP-86	3.15
16	1½ x 4½	AP-16	3.75

\*Available until present stock is exhausted  
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All prices and sizes subject to change without notice.

# SPRAGUE CAPACITORS

## ATOM<sup>®</sup> ELECTROLYTICS



- The Smallest Dependable Standard Tubular—Designed for 85°C (185°F) Operation in Voltages to 475 WVDC
- Whether for AC-DC Sets, Auto Radios, Home Radio-phonograph Combinations, or TV Sets, The SPRAGUE Line Will Handle All Your Replacement Requirements—No Dual Inventory Problems
- Have Low Leakage and Long Shelf Life
- Will Withstand High Temperatures, High Ripple Currents, High Surge Voltages
- Metal Case Construction with Outer Kraftboard Insulating Case Except as Noted by † Sign

μF	WVDC	Diam. x Length*	Cat. No.	List	μF	WVDC	Diam. x Length*	Cat. No.	List
<b>SINGLE UNITS</b>									
50	6	3/8 x 1 1/4	TVA-1100	.95	50	150	1 1/16 x 1 1/16	TVA-1414	\$1.40
750	3	5/16 x 2 3/16	TVA-1097	\$1.55	60	150	7/8 x 1 1/16	TVA-1415	1.50
100	6	1/2 x 1 1/8	TVA-1101	1.20	80	150	7/8 x 1 3/16	TVA-1418	1.60
250	6	5/8 x 1 1/16	TVA-1102	1.35	100	150	7/8 x 2 3/16	TVA-1420	1.75
500	6	5/8 x 2 3/16	TVA-1103	1.55	150	150	1 x 2 3/16	TVA-1422	1.90
1000	6	3/4 x 2 3/16	TVA-1104	1.90	200	150	1 x 3 3/16	TVA-1423	2.20
1500	6	1 3/16 x 2 1 1/16	TVA-1105	2.10	250	150	1 1/4 x 4 3/16	★TVA-1424	2.35
2000	6	1 3/16 x 2 3/16	TVA-1106	2.30	300	150	1 x 3 3/16	TVA-1425	2.55
50	10NP	1/2 x 1 1/16	TVAN-1117	1.10	80	175	1 x 1 7/8	TVA-1430	1.65
100	12	5/16 x 1 3/16	TVA-1130	1.20	2	200	5/8 x 1 5/8	TVAN-1435.1	1.10
250	12	5/8 x 1 1 1/16	TVA-1131	1.45	150	200	1 3/8 x 3 3/8	★TVA-1447	2.55
500	12	3/4 x 1 1 1/16	TVA-1132	1.70	100	200	1 x 2 3/16	TVA-1445	1.90
1000	12	1 3/16 x 2 3/16	TVA-1133	2.25	200	200	1 3/8 x 3 3/8	★TVA-1480†	2.90
100	15	5/8 x 1 3/16	TVA-1160	1.25	4	250	7/16 x 1 5/8	TVA-1501	1.00
250	15	5/8 x 1 1 1/16	TVA-1161	1.55	8	250	1/2 x 1 5/8	TVA-1503	1.15
500	15	1 1/16 x 2 3/16	TVA-1162	1.75	10	250	7/16 x 1 1 1/16	TVA-1504	1.20
1000	15	7/8 x 2 3/16	TVA-1163	2.30	12	250	7/16 x 1 1 1/16	TVA-1505	1.25
2000	15	1 x 3 1 1/16	★TVA-1170	3.20	16	250	5/8 x 1 1 1/16	TVA-1507	1.30
2	25	3/8 x 1 1/4	TVA-1201	.90	20	250	1 1/16 x 1 1 1/16	TVA-1508	1.35
2	25NP	5/16 x 1 1/16	TVAN-1202	.90	30	250	1 1/16 x 2 3/16	TVA-1510	1.45
5	25	3/8 x 1 1/4	TVA-1203	1.00	40	250	3/4 x 2 3/16	TVA-1511	1.55
10	25	3/8 x 1 1/4	TVA-1204	1.00	50	250	3/4 x 2 3/16	TVA-1512	1.70
20	25	1/2 x 1 1/4	TVA-1204.5	1.00	60	250	1 3/16 x 2 3/16	TVA-1513	1.80
25	25	3/8 x 1 1/4	TVA-1205	1.00	70	250	1 3/16 x 2 3/16	TVA-1515	1.85
50	25	5/16 x 1 3/16	TVA-1206	1.10	100	250	1 x 2 3/16	TVA-1522	2.45
100	25	5/16 x 1 1 1/16	TVA-1207	1.35	100	300	1 5/16 x 3 1/4	TVA-1573	2.65
250	25	3/4 x 1 1 1/16	TVA-1208	1.70	140	300	1 3/8 x 3 3/8	★TVA-1575†	3.15
500	25	7/8 x 2 3/16	TVA-1209	2.30	150	300	1 1/4 x 3 3/4	TVA-1576	3.25
1000	25	1 x 2 1 1/16	TVA-1211	3.30	200	300	1 1/4 x 4 1/2	TVA-1578	4.50
20	30	5/8 x 1 1/4	TVAN-1220	1.00	4	350	1/2 x 1 5/8	TVA-1601	1.05
1	50	3/8 x 1 1/4	TVA-1300	.90	5	350	3/4 x 1 1 1/16	TVAN-1602	1.25
2	50	3/8 x 1 1/4	TVA-1301	.90	8	350	5/8 x 1 1 1/16	TVA-1603	1.20
3	50	1 3/16 x 1/2	TVA-1302	1.00	10	350	1 1/16 x 1 1 1/16	TVA-1604	1.25
4	50	5/8 x 1 3/16	★TVAN-1302.5	1.00	12	350	1 1/16 x 1 1 1/16	TVA-1605	1.30
5	50	3/8 x 1 1/4	TVA-1303	1.00	16	350	3/4 x 1 1 1/16	TVA-1607	1.40
10	50	3/8 x 1 1/4	TVA-1304	1.00	20	350	1 3/16 x 1 1 1/16	TVA-1608	1.45
15	50	3/4 x 1 1/4	TVA-1305	1.00	30	350	1 3/16 x 2 3/16	TVA-1610	1.65
20	50	7/16 x 1 3/8	TVA-1305.5	1.00	40	350	7/8 x 2 3/16	TVA-1611	1.75
25	50	7/16 x 1 3/8	TVA-1306	1.05	60	350	1 x 2 3/16	TVA-1613	1.95
50	50	5/16 x 1 1 1/16	TVA-1308	1.20	100	350	1 x 3 3/16	TVA-1620	3.10
100	50	3/4 x 1 1 1/16	TVA-1310	1.40	200	350	1 3/8 x 4 1/8	TVA-1624	5.20
150	50	3/4 x 1 1 1/16	TVA-1311	1.55	10	400NP	1 1/16 x 2 1/16	★TVAN-1650	1.50
250	50	1 1/16 x 1 1 1/16	TVA-1312	1.75	20	400NP	1 x 2 3/16	TVAN-1652	1.50
500	50	1 x 1 3/16	TVA-1315	2.40	1	450	7/16 x 1 1/8	TVA-1700	1.10
10	90	3/8 x 1 3/4	TVA-1320	1.05	2	450	7/16 x 1 5/8	TVA-1701	1.10
1	150	3/4 x 1 1/4	TVA-1400	.95	4	450	7/16 x 1 1 1/16	TVA-1702	1.15
4	150	3/8 x 1 1/4	TVA-1402	1.00	5	450	5/8 x 1 1 1/16	TVA-1703	1.20
5	150	3/8 x 1 1/4	TVA-1403	1.00	8	450	1 1/16 x 1 1 1/16	TVA-1704	1.25
8	150	3/8 x 1 3/4	TVA-1405	1.05	10	450	1 1/16 x 1 1 1/16	TVA-1705	1.30
10	150	3/8 x 1 3/4	TVA-1406	1.05	12	450	3/4 x 1 1 1/16	TVA-1706	1.35
12	150	1/2 x 1 5/8	TVA-1407	1.10	16	450	3/4 x 2 3/16	TVA-1708	1.40
16	150	5/16 x 1 1 1/16	TVA-1409	1.15	20	450	3/4 x 2 3/16	TVA-1709	1.55
20	150	5/16 x 1 1 1/16	TVA-1410	1.20	30	450	7/8 x 2 3/16	TVA-1711	1.70
25	150	5/8 x 1 1 1/16	TVA-1411	1.25	40	450	7/8 x 2 1 1/16	TVA-1712	1.80
30	150	5/8 x 1 1 1/16	TVA-1412	1.30	50	450	7/8 x 3 3/16	TVA-1713	2.10
40	150	3/4 x 1 1 1/16	TVA-1413	1.35	60	450	1 x 3 1 1/16	TVA-1714	2.35
					80	450	1 x 3 1 1/16	TVA-1716	2.80
					100	450	1 x 3 1 1/16	TVA-1718†	3.20

\*Add 1/16" to diameter and 1/8" to length to allow for outer insulating tube on all units except those marked (†) which are of Kraftboard construction.  
 †Mounting straps attached

# SPRAGUE CAPACITORS

## ATOM ELECTROLYTICS, continued

μF	WVDC	Diam. x Length*	Cat. No.	List
10	475	3/8 x 1 1/16	TVA-1802	\$1.35
20	475	7/8 x 2 1/16	TVA-1804	1.60
8	500	7/8 x 1 1/16	TVA-1902	1.30
10	500	7/8 x 1 1/16	TVA-1903	1.35
16	500	1 1/16 x 2 3/16	TVA-1905	1.50
20	500	1 x 2 3/16	TVA-1906	1.60
40	500	1 x 2 1/16	TVA-1908	2.25
8	600	1 x 3 1/16	TVA-1962	2.85
10	600	1 x 3 1/16	TVA-1963	2.95
16	600	1 x 4 1/16	TVA-1965	3.45
20	600	1 x 4 1/16	TVA-1966	3.55

### DUAL UNITS (COMMON NEGATIVE—3 LEADS)

10-10	25-25	7/8 x 1 7/16	★TVA-2210	1.40
10-10	50-50	7/8 x 1 7/16	★TVA-2315	1.40
8-8	150-150	7/8 x 1 7/16	★TVA-2415	1.50
16-16	150-150	7/8 x 1 7/16	★TVA-2420	1.80
20-12	150-150	7/8 x 1 7/16	★TVA-2425	1.60
20-20	150-150	7/8 x 1 7/16	★TVA-2428	1.65
30-20	150-150	7/8 x 1 1/16	★TVA-2421	1.70
20-30	150-150	7/8 x 1 1/16	★TVA-2434	1.80
40-20	150-150	7/8 x 1 1/16	★TVA-2438	1.75
40-30	150-150	7/8 x 1 1/16	★TVA-2442	1.80
40-40	150-150	7/8 x 1 1/16	★TVA-2445	1.85
50-30	150-150	7/8 x 1 1/16	★TVA-2450	1.95
50-50	150-150	7/8 x 2 7/16	★TVA-2453	2.10
60-20	150-150	7/8 x 1 1/16	★TVA-2455	2.00
80-20	150-150	7/8 x 2 7/16	TVA-2459	2.15
80-30	150-150	7/8 x 2 7/16	★TVA-2460	2.20
80-40	150-150	7/8 x 2 7/16	★TVA-2461	2.20
80-50	150-150	7/8 x 2 3/16	★TVA-2462	2.35
100-50	150-150	1 x 1 1/16	★TVA-2463	2.65
100-100	150-150	1 3/8 x 3 3/8	TVA-2464†	3.20
150-150	150-150	1 1/4 x 4	★TVA-2466	3.45
200-5	150-150	1 x 3 7/8	★TVA-2467†	2.65
200-100	150-150	1 3/8 x 5 7/8	★TVA-2470	3.60
250-50	150-150	1 3/8 x 3 1/2	TVA-2473	3.10
250-200	150-150	1 1/4 x 4	TVA-2475	4.20
60-125	200-50	1 1/16 x 2 3/4	★TVA-2484	2.50
200-5	200-200	1 x 3 1/16	★TVA-2498	3.60
20-20	250-250	7/8 x 1 1/16	★TVA-2515	1.85
40-10	250-250	7/8 x 2 3/16	★TVA-2520	2.05
80-10	250-250	1 1/16 x 3 3/16	★TVA-2525	2.55
120-80	250-250	1 3/8 x 3 7/8	TVA-2535†	4.00
200-100	300-50	1 1/4 x 4 1/2	★TVA-2565	4.30
150-100	300-300	1 3/16 x 4 3/4	TVA-2590	5.35
140-5	350-350	1 1/4 x 3 7/8	★TVA-2640†	4.15
80-100	450-50	1 3/8 x 4 3/8	TVA-2711†	3.70
8-8	450-450	7/8 x 1 1/16	★TVA-2720	1.70
10-10	450-450	7/8 x 1 1/16	★TVA-2722	1.85
16-8	450-450	7/8 x 2 3/16	★TVA-2725	2.00
20-20	450-450	7/8 x 2 1/16	★TVA-2730	2.50
30-30	450-450	1 x 3 3/16	★TVA-2735	3.00
40-40	450-450	1 x 3 1/16	★TVA-2740	3.40
50-30	450-450	1 x 3 1/16	★TVA-2743	3.40
80-30	450-450	1 x 4 7/16	TVA-2750	4.15
20-100	475-50	1 x 2 3/8	★TVA-2765	2.50

### DUAL UNITS (SEPARATE SECTIONS—4 LEADS)

20-20	150-150	1 x 2 3/8	★TU-220 †	2.05
40-20	150-150	1 1/16 x 2 5/8	★TU-420 †	2.20
16-16	250-250	1 x 2 7/8	TU-216 †	2.20
8-8	450-450	1 1/16 x 3 3/8	★TU-88 †	2.15
16-16	450-450	1 3/8 x 3 7/8	★TU-1616†	2.80
120-120	150-150	1 1/8 x 5	TU-2120	3.45

μF	WVDC	D. x L.	Cat. No.	List
<b>TRIPLE UNITS</b>				
40-40-250	150-150-10	1 5/16 x 2 1/4	★TVA-3406	\$2.60
30-30-100	150-150-12	7/8 x 1 1/16	★TVA-3419	2.30
60-40-250	150-150-15	1 x 1 1/16	★TVA-3421.5	3.10
20-20-20	150-150-25	7/8 x 1 7/16	★TVA-3415	2.45
40-20-20	150-150-25	7/8 x 1 1/16	★TVA-3422.9	2.55
40-30-20	150-150-25	7/8 x 1 1/16	★TVA-3423	2.60
40-40-20	150-150-25	7/8 x 2 3/16	★TVA-3425	2.65
40-40-100	150-150-25	7/8 x 2 7/16	★TVA-3427	2.80
50-30-20	150-150-25	7/8 x 2 3/16	★TVA-3430	2.65
50-30-100	150-150-25	7/8 x 2 7/16	★TVA-3432	2.80
50-30-200	150-150-25	1 x 2 3/16	★TVA-3433	2.75
50-50-20	150-150-25	1 5/16 x 2 3/16	★TVA-3436	2.75
80-20-100	150-150-25	1 1/4 x 2 7/8	TVA-3437†	2.80
80-40-20	150-150-25	1 x 1 1/16	★TVA-3437.1	2.80
250-120-50	150-150-25	1 3/8 x 3 7/8	TVA-3437.6	4.35
20-20-20	150-150-150	7/8 x 1 1/16	★TVA-3440	2.50
30-25-20	150-150-150	7/8 x 2 3/16	★TVA-3442	2.25
30-30-20	150-150-150	7/8 x 2 3/16	★TVA-3443	2.30
30-30-30	150-150-150	7/8 x 2 3/16	★TVA-3444	2.60
40-20-20	150-150-150	7/8 x 1 1/16	★TVA-3446	2.25
40-30-20	150-150-150	7/8 x 2 3/16	★TVA-3448	2.60
40-40-20	150-150-150	7/8 x 2 7/16	★TVA-3450	2.35
40-40-40	150-150-150	7 x 2 7/16	★TVA-3451	2.80
50-30-20	150-150-150	1 x 2 7/16	★TVA-3453	2.70
50-50-50	150-150-150	1 x 2 1/16	TVA-3453.5	2.85
80-40-20	150-150-150	1 x 2 1/16	★TVA-3455	2.90
80-40-40	150-150-150	1 x 2 1/16	★TVA-3456	2.85
80-50-50	150-150-150	1 x 4	TVA-3456.5	3.10
80-60-20	150-150-150	1 x 3 1/2	★TVA-3457	3.00
250-200-10	150-150-150	1 3/8 x 3 3/8	★TVA-3460	4.60
80-10-100	300-250-50	1 3/8 x 3 3/8	★TVA-3556†	3.60
80-40-100	300-300-5	1 1/4 x 3 3/4	TVA-3558	4.00
100-60-100	300-300-50	1 1/4 x 3 3/4	TVA-3559	4.95
120-40-100	300-300-50	1 1/4 x 4 1/4	TVA-3560	5.10
120-40-10	300-300-250	1 1/4 x 3 1/8	TVA-3563†	4.85
80-40-40	300-300-300	1 1/4 x 3 1/2	TVA-3569	4.65
140-5-200	350-350-200	1 1/2 x 5 1/8	TVA-3620†	6.70
60-60-60	350-350-250	1 3/8 x 3 3/8	TVA-3626	4.75
60-60-4	350-350-350	1 1/4 x 3 1/4	TVA-3630	3.85
10-80-60	400-250-150	1 3/8 x 3 3/8	TVA-3650	3.40
5-80-40	450-400-400	1 3/8 x 4 1/8	★TVA-3712†	4.55
12-12-20	450-450-25	1 x 1 1/16	★TVA-3716	2.30
20-20-20	450-450-25	1 x 2 7/16	★TVA-3718	3.10
40-40-20	450-450-25	1 x 3 1/16	★TVA-3720	3.80

### QUADRUPLE UNITS

40-20-20-100	150-150-150-25	1 1/4 x 2 7/8	TVA-4517	2.90
60-40-40-20	150-150-150-25	1 1/4 x 3	TVA-4529	3.30
150-100-20-100	300-300-300-25	1 1/4 x 4 1/2	TVA-4580	6.95
120-40-40-10	300-300-300-250	1 3/8 x 4 5/8	TVA-4584†	6.20
140-5-200-30	350-300-200-150	1 1/2 x 4 7/8	TVA-4576†	6.05
140-5-200-30	350-300-200-200	1 1/2 x 5 1/8	TVA-4607†	7.65
80-40-10-40	300-300-300-250	1 1/4 x 4	TVA-4582	5.15
80-60-40-20	350-350-300-150	1 1/2 x 4 5/8	TVA-4618†	5.90
80-10-40-100	400-400-300-50	1 3/8 x 4 1/8	TVA-4659†	5.45
10-80-40-100	450-300-250-50	1 3/8 x 4 1/8	TVA-4705†	4.80
20-120-40-100	450-300-250-50	1 3/8 x 4 3/8	TVA-4706†	6.15
10-80-40-40	450-300-250-250	1 3/8 x 4 3/8	TVA-4708†	4.95
10-20-20-10	450-300-300-300	1 3/8 x 3 1/8	TVA-4712†	3.50
20-20-20-10	450-450-450-450	1 3/8 x 3 3/8	TVA-4742†	4.25
40-20-20-10	450-450-450-450	1 3/8 x 4 3/8	TVA-4748†	4.70
40-40-20-20	450-450-450-450	1 1/2 x 4 1/4	TVA-4750†	5.45

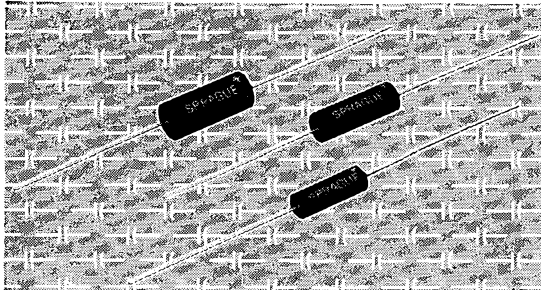
### QUINTUPLE UNITS

40-20-20-20-50	300-300-300-300-50	1 3/8 x 4	TVA-5100†	5.05
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\*Add 1/8" to diameter and 1/8" to length to allow for outer insulating tube on all units except those marked (†) which are of cardboard construction.  
 † Mounting straps attached

# SPRAGUE CAPACITORS

## TL TRANSI-LYTIC® ELECTROLYTICS

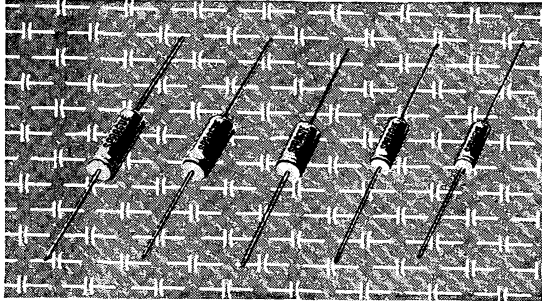


- Miniature Low-Cost Capacitors For Use in Transistorized Pocket and "Personal Portable" Radios
- Special Low-Leakage Current Construction to Meet The Requirements of Transistor Circuitry
- Sturdy Plastic Case With Thermo-setting Resin End-Seals
- Excellent Resistance to High Humidity Conditions
- Polarity Stamped on Each Unit

$\mu$ F	D. x L.	Cat. No.	List	$\mu$ F	D. x L.	Cat. No.	List	$\mu$ F	D. x L.	Cat. No.	List
<b>3 WVDC</b>				<b>6 WVDC (cont.)</b>				<b>16 WVDC (cont.)</b>			
1	$\frac{3}{16} \times \frac{3}{64}$	TL-1050	\$.70	75	$\frac{3}{8} \times \frac{1}{64}$	TL-1101.5	\$.75	35	$\frac{3}{16} \times \frac{5}{64}$	TL-1159	\$.75
2	$\frac{3}{16} \times \frac{3}{64}$	TL-1051	.70	100	$\frac{3}{8} \times \frac{1}{64}$	TL-1102	.75	50	$\frac{3}{8} \times \frac{1}{64}$	TL-1160	.75
3	$\frac{3}{16} \times \frac{3}{64}$	TL-1052	.70	150	$\frac{3}{8} \times \frac{1}{64}$	TL-1103	1.00	75	$\frac{3}{8} \times \frac{1}{64}$	TL-1161	.80
4	$\frac{3}{16} \times \frac{3}{64}$	TL-1052.1	.70	175	$\frac{3}{8} \times \frac{1}{64}$	TL-1103.5	1.00	100	$\frac{3}{8} \times \frac{1}{64}$	TL-1162	.80
5	$\frac{3}{16} \times \frac{3}{64}$	TL-1052.2	.70	<b>12 WVDC</b>				<b>20 WVDC</b>			
6	$\frac{3}{16} \times \frac{3}{64}$	TL-1052.3	.70	1	$\frac{3}{16} \times \frac{3}{64}$	TL-1120	.70	1	$\frac{3}{16} \times \frac{3}{64}$	TL-1170	.70
8	$\frac{3}{16} \times \frac{3}{64}$	TL-1052.5	.70	2	$\frac{3}{16} \times \frac{3}{64}$	TL-1121	.70	2	$\frac{3}{16} \times \frac{3}{64}$	TL-1171	.70
10	$\frac{3}{16} \times \frac{3}{64}$	TL-1053	.70	3	$\frac{3}{16} \times \frac{3}{64}$	TL-1122	.70	3	$\frac{3}{16} \times \frac{3}{64}$	TL-1172	.70
15	$\frac{7}{32} \times \frac{4}{64}$	TL-1053.5	.70	4	$\frac{3}{16} \times \frac{3}{64}$	TL-1123	.70	4	$\frac{7}{32} \times \frac{4}{64}$	TL-1173	.70
20	$\frac{7}{32} \times \frac{4}{64}$	TL-1054	.70	5	$\frac{3}{16} \times \frac{3}{64}$	TL-1127	.70	5	$\frac{7}{32} \times \frac{4}{64}$	TL-1174	.75
25	$\frac{1}{4} \times \frac{5}{64}$	TL-1055	.70	6	$\frac{7}{32} \times \frac{4}{64}$	TL-1127.1	.70	6	$\frac{7}{32} \times \frac{4}{64}$	TL-1175	.75
35	$\frac{1}{4} \times \frac{5}{64}$	TL-1056	.70	8	$\frac{7}{32} \times \frac{4}{64}$	TL-1127.3	.70	8	$\frac{1}{4} \times \frac{5}{64}$	TL-1176	.75
50	$\frac{1}{4} \times \frac{5}{64}$	TL-1058	.70	10	$\frac{7}{32} \times \frac{4}{64}$	TL-1128	.70	10	$\frac{1}{4} \times \frac{5}{64}$	TL-1177	.75
75	$\frac{3}{16} \times \frac{5}{64}$	TL-1059	.75	15	$\frac{1}{4} \times \frac{5}{64}$	TL-1129	.70	15	$\frac{1}{4} \times \frac{5}{64}$	TL-1178	.90
100	$\frac{3}{16} \times \frac{5}{64}$	TL-1059.5	.75	20	$\frac{1}{4} \times \frac{5}{64}$	TL-1130	.70	20	$\frac{3}{16} \times \frac{5}{64}$	TL-1179	.90
150	$\frac{3}{8} \times \frac{1}{64}$	TL-1061	.90	25	$\frac{1}{4} \times \frac{5}{64}$	TL-1131	.70	25	$\frac{3}{16} \times \frac{5}{64}$	TL-1180	.90
200	$\frac{3}{8} \times \frac{1}{64}$	TL-1064	.90	35	$\frac{3}{16} \times \frac{5}{64}$	TL-1132	.70	35	$\frac{3}{8} \times \frac{1}{64}$	TL-1181	.90
250	$\frac{3}{8} \times \frac{1}{64}$	TL-1065	1.10	50	$\frac{3}{16} \times \frac{5}{64}$	TL-1133	.70	50	$\frac{3}{8} \times \frac{1}{64}$	TL-1182	.90
<b>6 WVDC</b>				75	$\frac{3}{8} \times \frac{1}{64}$	TL-1134	.75	75	$\frac{3}{8} \times \frac{1}{64}$	TL-1183	.90
1	$\frac{3}{16} \times \frac{3}{64}$	TL-1080	.70	100	$\frac{3}{8} \times \frac{1}{64}$	TL-1135	.75	<b>25 WVDC</b>			
2	$\frac{3}{16} \times \frac{3}{64}$	TL-1081	.70	<b>16 WVDC</b>				1	$\frac{3}{16} \times \frac{3}{64}$	TL-1200	.70
3	$\frac{3}{16} \times \frac{3}{64}$	TL-1082	.70	1	$\frac{3}{16} \times \frac{3}{64}$	TL-1148	.70	2	$\frac{3}{16} \times \frac{3}{64}$	TL-1201	.70
4	$\frac{3}{16} \times \frac{3}{64}$	TL-1083	.70	2	$\frac{3}{16} \times \frac{3}{64}$	TL-1149	.70	3	$\frac{7}{32} \times \frac{4}{64}$	TL-1201.1	.70
5	$\frac{3}{16} \times \frac{3}{64}$	TL-1084	.70	3	$\frac{3}{16} \times \frac{3}{64}$	TL-1150	.70	4	$\frac{7}{32} \times \frac{4}{64}$	TL-1201.2	.70
6	$\frac{3}{16} \times \frac{3}{64}$	TL-1085	.70	4	$\frac{3}{16} \times \frac{3}{64}$	TL-1151	.70	5	$\frac{1}{4} \times \frac{5}{64}$	TL-1202	.75
8	$\frac{3}{16} \times \frac{3}{64}$	TL-1086	.70	5	$\frac{7}{32} \times \frac{4}{64}$	TL-1152	.70	6	$\frac{1}{4} \times \frac{5}{64}$	TL-1203	.75
10	$\frac{7}{32} \times \frac{4}{64}$	TL-1087	.70	6	$\frac{7}{32} \times \frac{4}{64}$	TL-1153	.70	8	$\frac{1}{4} \times \frac{5}{64}$	TL-1203.5	.75
15	$\frac{7}{32} \times \frac{4}{64}$	TL-1089	.70	8	$\frac{7}{32} \times \frac{4}{64}$	TL-1154	.70	10	$\frac{1}{4} \times \frac{5}{64}$	TL-1204	.75
20	$\frac{1}{4} \times \frac{5}{64}$	TL-1090	.70	10	$\frac{1}{4} \times \frac{5}{64}$	TL-1155	.75	15	$\frac{3}{16} \times \frac{5}{64}$	TL-1205	.90
25	$\frac{1}{4} \times \frac{5}{64}$	TL-1091	.70	15	$\frac{1}{4} \times \frac{5}{64}$	TL-1156	.75	20	$\frac{3}{16} \times \frac{5}{64}$	TL-1206	.90
35	$\frac{1}{4} \times \frac{5}{64}$	TL-1093	.70	20	$\frac{1}{4} \times \frac{5}{64}$	TL-1157	.75	25	$\frac{3}{8} \times \frac{1}{64}$	TL-1207	.90
50	$\frac{3}{16} \times \frac{5}{64}$	TL-1100	.70	25	$\frac{1}{4} \times \frac{5}{64}$	TL-1157.1	.75	35	$\frac{3}{8} \times \frac{1}{64}$	TL-1208	.90
								50	$\frac{3}{8} \times \frac{1}{64}$	TL-1209	.90

# SPRAGUE CAPACITORS

## TE LITTL-LYTIC® ELECTROLYTICS



- Ultra-Small—Excellent, Dependable Replacement Units for Transistorized Equipment Presently on the Market
- Reliability at Reasonable Prices
- All-Welded Construction—No Pressure Joints to Cause "Open" or Intermittent Circuits
- No Corrosion as with Competitive Units
- Extremely Low Leakage Current, Long Shelf Life
- Withstand Temperatures Up to 85°C (185°F)
- Furnished with Clear Plastic Outer Insulating Sleeves
- Packed 5 to a Handy Rigid Klear Pak® Plastic Box

μF	D. x L.*	Cat. No.	List
<b>1 WVDC</b>			
5	3/16 x 1/2	TE-1010	\$1.25
<b>3 WVDC</b>			
1	3/16 x 1/2	TE-1050	\$1.25
2	3/16 x 1/2	TE-1051	1.25
3	3/16 x 1/2	TE-1052	1.25
4	3/16 x 1/2	TE-1052.1	1.25
5	3/16 x 1/2	TE-1052.2	1.25
6	3/16 x 1/2	TE-1052.3	1.25
8	3/16 x 1/2	TE-1052.5	1.25
10	3/16 x 1/2	TE-1053	1.25
15	1/4 x 1/2	TE-1053.5	1.25
20	1/4 x 1/2	TE-1054	1.25
25	1/4 x 1/2	TE-1055	1.25
35	1/4 x 11/16	TE-1056	1.25
40	1/4 x 11/16	TE-1057	1.25
50	1/4 x 11/16	TE-1058	1.25
75	3/16 x 11/16	TE-1059	1.40
100	3/16 x 11/16	TE-1059.5	1.40
110	3/8 x 11/16	TE-1060	1.40
150	3/8 x 11/16	TE-1061	1.45
200	3/8 x 13/16	TE-1064	1.50
250	3/8 x 13/16	TE-1065	1.60
300	3/8 x 13/16	TE-1066	1.65
400	3/8 x 1 1/4	TE-1067	1.70
500	3/8 x 1 1/2	TE-1068	1.75
<b>6 WVDC</b>			
1	3/16 x 1/2	TE-1080	1.25
2	3/16 x 1/2	TE-1081	1.25
3	3/16 x 1/2	TE-1082	1.25
4	3/16 x 1/2	TE-1083	1.25
5	3/16 x 1/2	TE-1084	1.25
6	3/16 x 1/2	TE-1085	1.25
8	3/16 x 1/2	TE-1086	1.35
10	1/4 x 1/2	TE-1087	1.35
15	1/4 x 1/2	TE-1089	1.35
20	1/4 x 11/16	TE-1090	1.35
25	1/4 x 11/16	TE-1091	1.35
30	1/4 x 11/16	TE-1092	1.40
35	1/4 x 11/16	TE-1093	1.40
40	1/4 x 11/16	TE-1095	1.40
50	3/16 x 11/16	TE-1100	1.40
60	3/16 x 11/16	TE-1101	1.40
75	3/8 x 11/16	TE-1101.5	1.45
100	3/8 x 11/16	TE-1102	1.50
150	3/8 x 13/16	TE-1103	1.55
200	3/8 x 1 1/4	TE-1104	1.60
250	3/8 x 1 1/4	TE-1105	1.70
300	3/8 x 1 1/2	TE-1106	1.80

μF	D. x L.*	Cat. No.	List
<b>10 WVDC</b>			
10	1/4 x 1/2	TE-1114	\$1.35
15	1/4 x 1/2	TE-1116	1.35
25	1/4 x 11/16	TE-1118	1.35
50	3/8 x 11/16	TE-1119	1.50
100	3/8 x 13/16	TE-1119.3	1.70
200	3/8 x 1 1/4	TE-1119.6	2.00
<b>12 WVDC</b>			
1	3/16 x 1/2	TE-1120	1.25
2	3/16 x 1/2	TE-1121	1.25
3	3/16 x 1/2	TE-1122	1.25
4	3/16 x 1/2	TE-1123	1.25
5	3/16 x 1/2	TE-1127	1.35
6	1/4 x 1/2	TE-1127.1	1.35
8	1/4 x 1/2	TE-1127.3	1.35
10	1/4 x 1/2	TE-1128	1.35
15	1/4 x 11/16	TE-1129	1.40
20	1/4 x 11/16	TE-1130	1.40
25	1/4 x 11/16	TE-1131	1.40
35	3/16 x 11/16	TE-1132	1.45
50	3/8 x 11/16	TE-1133	1.55
75	3/8 x 13/16	TE-1134	1.65
100	3/8 x 13/16	TE-1135	1.75
150	3/8 x 1 1/4	TE-1136	1.90
200	3/8 x 1 1/4	TE-1137	2.05
250	3/8 x 1 1/4	TE-1138	2.20
<b>15 WVDC</b>			
1	3/16 x 1/2	TE-1148	1.25
2	3/16 x 1/2	TE-1149	1.25
3	3/16 x 1/2	TE-1150	1.25
4	3/16 x 1/2	TE-1151	1.30
5	1/4 x 1/2	TE-1152	1.40
6	1/4 x 1/2	TE-1153	1.40
8	1/4 x 1/2	TE-1154	1.40
10	1/4 x 1/2	TE-1155	1.40
15	1/4 x 11/16	TE-1156	1.45
20	1/4 x 11/16	TE-1157	1.45
25	3/16 x 11/16	TE-1157.1	1.45
30	3/16 x 11/16	TE-1158	1.50
35	3/8 x 11/16	TE-1159	1.55
50	3/8 x 11/16	TE-1160	1.60
75	3/8 x 13/16	TE-1161	1.70
100	3/8 x 13/16	TE-1162	1.80
150	3/8 x 1 1/4	TE-1163	1.95
200	3/8 x 1 1/2	TE-1164	2.10

μF	D. x L.*	Cat. No.	List
<b>25 WVDC</b>			
1	3/16 x 1/2	TE-1200	\$1.25
2	3/16 x 1/2	TE-1201	1.30
3	3/16 x 1/2	TE-1201.1	1.30
4	3/16 x 1/2	TE-1201.2	1.30
5	3/16 x 1/2	TE-1202	1.40
6	1/4 x 11/16	TE-1203	1.40
8	1/4 x 11/16	TE-1203.5	1.45
10	1/4 x 11/16	TE-1204	1.45
15	3/16 x 11/16	TE-1205	1.45
20	3/8 x 11/16	TE-1206	1.50
25	3/8 x 11/16	TE-1207	1.55
35	3/8 x 11/16	TE-1208	1.65
50	3/8 x 13/16	TE-1209	1.80
75	3/8 x 1 1/4	TE-1210	1.95
100	3/8 x 1 1/2	TE-1211	2.10
<b>50 WVDC</b>			
1	3/16 x 1/2	TE-1300	1.30
2	1/4 x 1/2	TE-1301	1.35
3	1/4 x 1/2	TE-1302	1.35
4	1/4 x 11/16	TE-1302.1	1.35
5	1/4 x 11/16	TE-1303	1.45
6	3/16 x 11/16	TE-1303.1	1.45
8	3/16 x 11/16	TE-1303.3	1.50
10	3/16 x 11/16	TE-1304	1.50
15	3/8 x 11/16	TE-1304.2	1.50
20	3/8 x 13/16	TE-1305	1.50
35	3/8 x 1 1/4	TE-1306	1.70
50	3/8 x 1 1/2	TE-1307	1.85
<b>100 WVDC</b>			
1	3/8 x 13/16	TE-1400	1.35
2	3/8 x 13/16	TE-1401	1.40
3	3/8 x 13/16	TE-1402	1.40
4	3/8 x 13/16	TE-1403	1.40
5	3/8 x 13/16	TE-1404	1.50
6	3/8 x 13/16	TE-1405	1.50
8	3/8 x 13/16	TE-1406	1.55
10	3/8 x 13/16	TE-1407	1.55
15	3/8 x 1 1/4	TE-1408	1.55
20	3/8 x 1 1/2	TE-1409	1.60
<b>150 WVDC</b>			
1	3/8 x 13/16	TE-1500	1.40
2	3/8 x 13/16	TE-1501	1.45
3	3/8 x 13/16	TE-1502	1.45
4	3/8 x 13/16	TE-1503	1.45
5	3/8 x 13/16	TE-1504	1.55
6	3/8 x 1 1/4	TE-1505	1.55
8	3/8 x 1 1/4	TE-1506	1.60
10	3/8 x 1 1/4	TE-1507	1.60
12	3/8 x 1 1/2	TE-1508	1.60

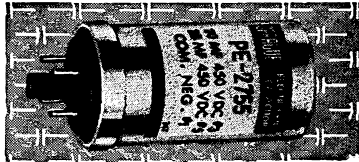
\*Add 1/16" to dimensions to allow for insulating sleeve.



# SPRAGUE CAPACITORS

## PE OCTAL-BASE 'LYTICS

- For Applications where Rapid Changing of Capacitors is Desired
- Will Fit Standard Octal-Base Tube Sockets



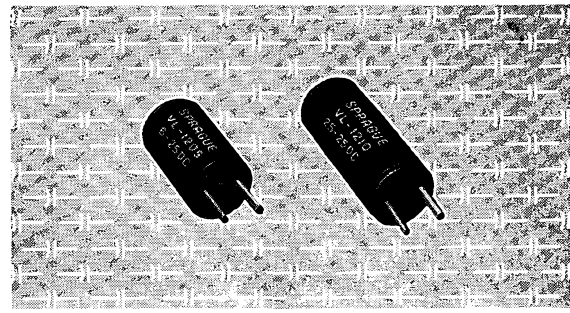
- Hermetically Sealed in Metal Cans for Long Life
- Will Stand Up Under High Temperatures, High Ripple Currents, High Surge Voltages

Terminal Code		
Sections	-	+
Single	1	5
Dual	1	3,5
Triple	1	3,5,7
Quadruple	Gnd Lug	1,3,5,7

μF	WVDC	Diam. x Lgth.	Cat. No.	List
100	350	1 3/8 x 3	PE-1636	\$5.85
10	450	1 3/16 x 2 1/2	PE-1705	4.05
20	450	1 3/16 x 2 1/2	PE-1714	4.30
40	450	1 3/8 x 2 1/2	PE-1725	4.55
80	450	1 3/8 x 3 1/2	PE-1730	5.55
20-20	150-150	1 3/16 x 2 1/2	PE-2415	4.20
40-40	150-150	1 3/16 x 2 1/2	PE-2428	4.40
10-10	450-450	1 3/16 x 2 1/2	PE-2750	4.40
20-20	450-450	1 3/8 x 2 1/2	PE-2755	5.05
40-40	450-450	1 3/8 x 3 1/2	PE-2764	5.95
10-10-10	450-450-450	1 3/16 x 2 1/2	PE-3776	5.10
20-20-20	450-450-450	1 3/8 x 3	PE-3780	6.10
30-30-10-20	450-450-450-50	1 3/8 x 3 1/2	PE-4741	6.85

## VL VERTI-LYTIC® ELECTROLYTICS

- For Replacement of Units of this Type Found on Printed Wiring Boards in Original Equipment
- Sections Housed in Sturdy, Pre-Molded Phenolic Cases
- Resin End Fill Will Not Contaminate Electrolyte—Protects Against Drying or Entrance of External Moisture
- Low Leakage Current and Long Shelf Life
- Polarity Easily Determined by Larger Diameter of Negative Lead



μF	D. x L.	Cat. No.	List	μF	D. x L.	Cat. No.	List	μF	D. x L.	Cat. No.	List
<b>3 WVDC</b>				<b>12 WVDC</b>				<b>25 WVDC ctd.</b>			
1	3/8 x 3/4	VL-1031	\$1.45	1	3/8 x 3/4	VL-1120	\$1.45	3	3/8 x 3/4	VL-1202	\$1.55
2	3/8 x 3/4	VL-1032	1.45	2	3/8 x 3/4	VL-1121	1.45	4	3/8 x 3/4	VL-1203	1.65
3	3/8 x 3/4	VL-1033	1.45	3	3/8 x 3/4	VL-1122	1.45	5	3/8 x 3/4	VL-1204	1.65
4	3/8 x 3/4	VL-1034	1.45	4	3/8 x 3/4	VL-1123	1.45	6	3/8 x 3/4	VL-1205	1.65
5	3/8 x 3/4	VL-1035	1.45	5	3/8 x 3/4	VL-1124	1.50	8	3/8 x 3/4	VL-1206	1.65
6	3/8 x 3/4	VL-1036	1.45	6	3/8 x 3/4	VL-1125	1.50	10	3/8 x 3/4	VL-1207	1.65
8	3/8 x 3/4	VL-1037	1.45	8	3/8 x 3/4	VL-1126	1.50	15	3/8 x 3/4	VL-1208	1.65
10	3/8 x 3/4	VL-1038	1.45	10	3/8 x 3/4	VL-1127	1.50	20	3/8 x 7/8	VL-1209	1.65
15	3/8 x 3/4	VL-1039	1.45	15	3/8 x 3/4	VL-1128	1.55	25	3/8 x 7/8	VL-1210	1.65
20	3/8 x 3/4	VL-1040	1.45	20	3/8 x 3/4	VL-1129	1.55	35	7/16 x 7/8	VL-1212	1.75
25	3/8 x 3/4	VL-1041	1.45	25	3/8 x 3/4	VL-1130	1.55	50	1/2 x 7/8	VL-1215	1.75
35	3/8 x 3/4	VL-1043	1.50	35	3/8 x 3/4	VL-1132	1.55	70	1/2 x 7/8	VL-1218	1.95
50	3/8 x 3/4	VL-1045	1.55	50	3/8 x 7/8	VL-1134	1.65	<b>50 WVDC</b>			
75	3/8 x 3/4	VL-1048	1.70	75	7/16 x 7/8	VL-1137	1.75	1	3/8 x 3/4	VL-1300	1.50
100	3/8 x 7/8	VL-1051	1.75	100	1/2 x 7/8	VL-1140	1.90	2	3/8 x 3/4	VL-1301	1.50
150	7/16 x 7/8	VL-1055	1.75	140	1/2 x 7/8	VL-1144	1.95	3	3/8 x 3/4	VL-1302	1.55
200	7/16 x 7/8	VL-1059	1.80	<b>15 WVDC</b>				4	3/8 x 3/4	VL-1303	1.65
250	1/2 x 7/8	VL-1063	1.95	1	3/8 x 3/4	VL-1160	1.45	5	3/8 x 3/4	VL-1304	1.65
290	1/2 x 7/8	VL-1067	2.00	2	3/8 x 3/4	VL-1161	1.45	6	3/8 x 3/4	VL-1305	1.65
<b>6 WVDC</b>				3	3/8 x 3/4	VL-1162	1.45	8	3/8 x 3/4	VL-1306	1.65
1	3/8 x 3/4	VL-1080	1.45	4	3/8 x 3/4	VL-1163	1.45	10	3/8 x 7/8	VL-1307	1.65
2	3/8 x 3/4	VL-1081	1.45	5	3/8 x 3/4	VL-1164	1.50	15	7/16 x 7/8	VL-1308	1.65
3	3/8 x 3/4	VL-1082	1.45	6	3/8 x 3/4	VL-1165	1.50	20	7/16 x 7/8	VL-1309	1.65
4	3/8 x 3/4	VL-1083	1.45	8	3/8 x 3/4	VL-1166	1.50	25	1/2 x 7/8	VL-1310	1.65
5	3/8 x 3/4	VL-1084	1.45	10	3/8 x 3/4	VL-1167	1.50	<b>6-6 WVDC</b>			
6	3/8 x 3/4	VL-1085	1.45	15	3/8 x 3/4	VL-1168	1.55	100-30	7/16 x 1 1/16	VL-2150	2.10
8	3/8 x 3/4	VL-1086	1.45	20	3/8 x 3/4	VL-1169	1.55	<b>10-10 WVDC</b>			
10	3/8 x 3/4	VL-1087	1.45	25	3/8 x 3/4	VL-1170	1.55	50-50	1/2 x 7/8	VL-2250	1.95
15	3/8 x 3/4	VL-1088	1.45	35	3/8 x 7/8	VL-1172	1.55	80-80	1/2 x 7/8	VL-2350	2.20
20	3/8 x 3/4	VL-1089	1.45	50	7/16 x 7/8	VL-1174	1.65	<b>8-8 WVDC</b>			
25	3/8 x 3/4	VL-1090	1.45	75	1/2 x 7/8	VL-1177	1.80	100-100-60	1/2 x 1 1/16	VL-3320	3.45
35	3/8 x 3/4	VL-1092	1.50	90	1/2 x 7/8	VL-1180	1.95	<b>10-10-3 WVDC</b>			
50	3/8 x 3/4	VL-1094	1.55	<b>25 WVDC</b>				50-50-15	1/2 x 7/8	VL-3350	3.00
75	3/8 x 7/8	VL-1097	1.70	1	3/8 x 3/4	VL-1200	1.50				
100	7/16 x 7/8	VL-1100	1.75	2	3/8 x 3/4	VL-1201	1.50				
150	1/2 x 7/8	VL-1104	1.90								
200	1/2 x 7/8	VL-1108	1.95								

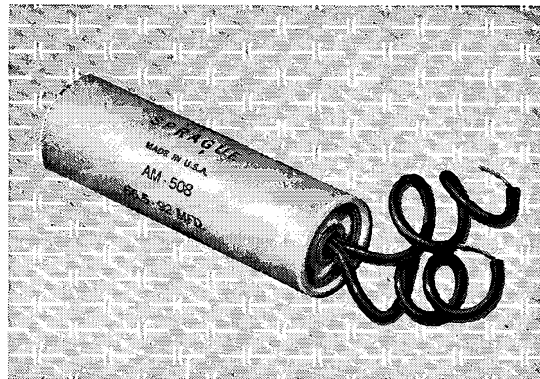
All prices and sizes subject to change without notice.

# SPRAGUE CAPACITORS

## AM ANTENNA ROTATOR CAPACITORS

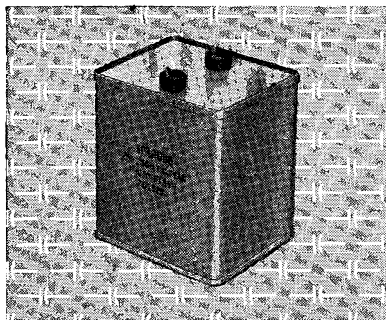
- Replacement Capacitors Which Assure Dependable Performance in Antenna Rotators.
- Single Ended Tubular Electrolytic Capacitors With Insulated Leads.
- These Three Ratings are The Most Needed Replacement Capacitors for Antenna Rotators.

$\mu$ F	VAC	Diam. x Lgth.	Cat. No.	List
66.5—92	50	15/16 x 3	AM-508	\$1.25
100—120	50	1 x 2 $\frac{3}{8}$	AM-510	\$2.00
210—290	50	1 x 3 $\frac{5}{8}$	AM-515	\$2.15



## PQ ENERGY STORAGE CAPACITORS

DESIGNED EXPRESSLY FOR PHOTOFLASH AND LASER APPLICATIONS—NOT COMPARABLE TO STANDARD HEAVY-DUTY CAPACITORS SUCH AS THE CR TRANSMITTING TYPES



- Oil-Impregnated, Oil Filled
- Compact Energy Storage Design
- Smallest Possible Construction with Maximum Dependability
- Hermetically Sealed
- High Insulation Resistance

$\mu$ F	DC Peak* Volts	Watt/Sec. Total	Dimensions T. x W. x H.	Weight lbs.	Cat. No.	List Price
10	2500	31	2 $\frac{1}{4}$ x 3 $\frac{3}{4}$ x 4 $\frac{1}{2}$	1 $\frac{3}{4}$	PQ-2510	\$25.00
15	2500	47	3 $\frac{3}{16}$ x 3 $\frac{3}{4}$ x 4 $\frac{3}{4}$	2 $\frac{1}{2}$	PQ-2515	33.10
25	2500	78	4 $\frac{1}{16}$ x 3 $\frac{3}{4}$ x 5 $\frac{1}{8}$	4 $\frac{1}{4}$	PQ-2525	47.50
35	2500	109	4 $\frac{1}{16}$ x 3 $\frac{3}{4}$ x 7	6	PQ-2535	58.00
15	3000	67	3 $\frac{3}{16}$ x 3 $\frac{3}{4}$ x 4 $\frac{3}{4}$	3	PQ-315	36.85
25	4000	200	4 $\frac{1}{16}$ x 3 $\frac{3}{4}$ x 9 $\frac{5}{8}$	7 $\frac{1}{4}$	PQ-425	73.35

\*Do not exceed Peak Voltage Rating under highest line voltage condition.

## PHOTOFLASH ELECTROLYTICS and ACCESSORIES

### Build your own Electronic Flash!

Now you can build up-to-the-minute electronic photoflash units using the very latest low voltage circuits. These units are comparable to commercially manufactured gear in size, weight, and efficiency, yet can be built for considerably less than ready-made units. Your electronic flash eliminates flash bulb costs, too, and it stops action with better results. Sprague Booklet C-703 gives you step-

by-step instructions for building four different models. Every detail is clearly illustrated and explained, making it easy to put one together in several hours. Photoflash accessories, listed below, are fully described and illustrated in this invaluable guide. These special items, plus a few standard parts and miscellaneous material, are all you need to build this outfit.

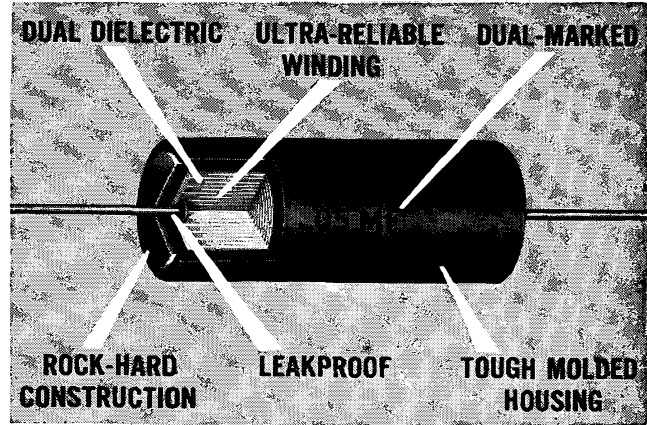
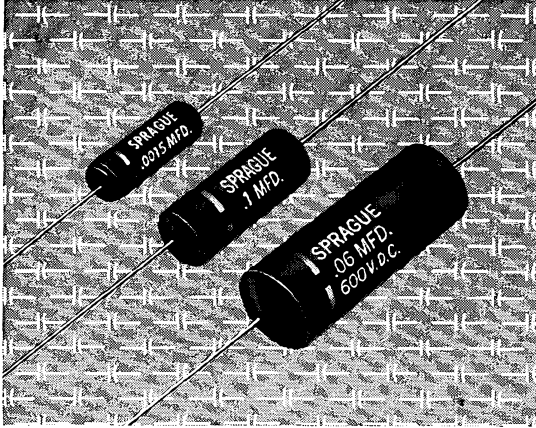
Description	Cat. No.	Dealer's Net
Sprague Photoflash Booklet	C-703	\$ .35
Plug-in base with built-in trigger coil, 100 w-s nominal rating, Kemlite Type DX, for 450 V operation	FA-100	12.00
Reflector for Type DX lamp as used with vertical adapter	FA-101	2.75
Vertical adapter for medium Edison base sockets with cable	FA-102	2.60
Jaidinger miniature relay for 5-25 m-s delay synchronization from 3 to 4 $\frac{1}{2}$ V cell flashguns	FA-103	3.50
"U" lamp, 100 w-s nominal rating, wafer base, for 450 V operation, Kemlite "U-5W", interchangeable with GE FT-105	FA-104	7.50
Reflector for Kemlite U-5W or GE FT-105	FA-105	3.50
4 volt vibrator, Oak V-6815, for 225 to 450 V voltage doubler power supplies. (See March, 1952 P. S. A. Journal for details).	FA-106	8.50



- Ultra-low Leakage for Either Dry Battery or A-C Operated Power Supplies—Eliminate Rectifier Burnouts
  - Weighs Only 11 oz.
  - One-half the Size of Competitive Capacitors which Have More Than Twice the Leakage Current
  - Highly Stable Film Formation Assures Long Life
  - 525 MF, 450 WVDC, 53 Watt-Seconds 2 $\frac{1}{8}$ " Diam. x 4 $\frac{1}{16}$ " long
- Cat. No. **FF-1**, List price **\$22.50**

# SPRAGUE CAPACITORS

## DIFILM<sup>®</sup> BLACK BEAUTY<sup>®</sup> MOLDED TUBULARS



- Developed Especially for Long Life Under High Humidity and Temperature Operating Conditions
- Dual Dielectric (Polyester Film and Paper) Combines Best Features of Both Polyester Film and Paper Capacitors
- Exclusive HCX<sup>®</sup> Solid Impregnant Construction Results in Rock-hard Capacitor Section
- Won't Leak or Drip

LOOK FOR THE RED MARKINGS  
ON THE BLACK CASE

- No Derating for 105°C Operation
- Mica-filled, Non-flammable, Molded Case. Won't Crack When Dropped; Soldering Won't Harm It
- Every Capacitor Marked Twice. No Twisting The Case To Read Ratings.
- Also Available in Handy Sprague Kleer Paks<sup>®</sup>
- Capacitance Tolerance:  $\pm 10\%$  from .001  $\mu\text{F}$  up  
Except 2TM-M1  $\pm 20\%$

## The World's Best Molded Tubular at No Extra Cost!

$\mu\text{F}$	D. x L.	Cat. No.	List	$\mu\text{F}$	D. x L.	Cat. No.	List	$\mu\text{F}$	D. x L.	Cat. No.	List
<b>200 WVDC</b>				<b>400 WVDC (Cont.)</b>				<b>600 WVDC (Cont.)</b>			
.01	$\frac{1}{16} \times 1$	2TM-S10	\$.25	.03	$\frac{1}{16} \times 1\frac{1}{4}$	4TM-S30	\$.30	.0022	$\frac{1}{16} \times 1$	6TM-D22	\$.25
.02	$\frac{3}{8} \times 1\frac{1}{4}$	2TM-S20	.25	.04	$\frac{1}{16} \times 1\frac{1}{4}$	4TM-S40	.30	.0025	$\frac{1}{16} \times 1$	6TM-D25	.25
.022	$\frac{3}{8} \times 1\frac{1}{4}$	2TM-S22	.25	.047	$\frac{1}{16} \times 1\frac{1}{4}$	4TM-S47	.30	.003	$\frac{1}{16} \times 1$	6TM-D30	.25
.047	$\frac{1}{16} \times 1\frac{1}{4}$	2TM-S47	.25	.05	$\frac{1}{16} \times 1\frac{1}{4}$	4TM-S50	.30	.0033	$\frac{1}{16} \times 1$	6TM-D33	.25
.05	$\frac{1}{16} \times 1\frac{1}{4}$	2TM-S50	.25	.068	$\frac{1}{2} \times 1\frac{1}{2}$	4TM-S68	.35	.004	$\frac{3}{8} \times 1\frac{1}{4}$	6TM-D40	.25
.1	$\frac{1}{2} \times 1\frac{1}{2}$	2TM-P10	.35	.1	$\frac{1}{2} \times 1\frac{1}{2}$	4TM-P10	.35	.0047	$\frac{3}{8} \times 1\frac{1}{4}$	6TM-D47	.25
.15	$\frac{1}{2} \times 1\frac{1}{2}$	2TM-P15	.35	.15	$\frac{5}{8} \times 1\frac{3}{8}$	4TM-P15	.40	.005	$\frac{3}{8} \times 1\frac{1}{4}$	6TM-D50	.25
.22	$\frac{5}{8} \times 1\frac{3}{8}$	2TM-P22	.40	.2	$\frac{5}{8} \times 1\frac{3}{8}$	4TM-P20	.45	.006	$\frac{3}{8} \times 1\frac{1}{4}$	6TM-D60	.25
.25	$\frac{5}{8} \times 1\frac{3}{8}$	2TM-P25	.40	.22	$\frac{5}{8} \times 1\frac{3}{8}$	4TM-P22	.45	.0068	$\frac{3}{8} \times 1\frac{1}{4}$	6TM-D68	.30
.47	$\frac{3}{4} \times 2\frac{1}{4}$	2TM-P47	.60	.25	$\frac{3}{4} \times 2\frac{1}{4}$	4TM-P25	.50	.008	$\frac{3}{8} \times 1\frac{1}{4}$	6TM-D80	.30
.5	$\frac{3}{4} \times 2\frac{1}{4}$	2TM-P50	.60	.47	$\frac{3}{4} \times 2\frac{1}{4}$	4TM-P47	.75	.01	$\frac{3}{8} \times 1\frac{1}{4}$	6TM-S10	.30
1.0	$\frac{3}{4} \times 2\frac{1}{4}$	2TM-M1	1.05	.5	$\frac{3}{4} \times 2\frac{1}{4}$	4TM-P50	.75	.015	$\frac{3}{8} \times 1\frac{1}{4}$	6TM-S15	.30
<b>400 WVDC</b>				<b>600 WVDC</b>							
.001	$\frac{1}{16} \times 1$	4TM-D10	.25	.0001	$\frac{1}{16} \times 1$	6TM-T10	.25	.02	$\frac{1}{16} \times 1\frac{1}{4}$	6TM-S20	.30
.005	$\frac{1}{16} \times 1$	4TM-D50	.25	.00025	$\frac{1}{16} \times 1$	6TM-T25	.25	.022	$\frac{1}{16} \times 1\frac{1}{4}$	6TM-S22	.30
.01	$\frac{3}{8} \times 1\frac{1}{4}$	4TM-S10	.25	.0004	$\frac{1}{16} \times 1$	6TM-T40	.25	.025	$\frac{1}{16} \times 1\frac{1}{4}$	6TM-S25	.30
.015	$\frac{3}{8} \times 1\frac{1}{4}$	4TM-S15	.25	.0005	$\frac{1}{16} \times 1$	6TM-T50	.25	.03	$\frac{1}{16} \times 1\frac{1}{4}$	6TM-S30	.35
.02	$\frac{3}{8} \times 1\frac{1}{4}$	4TM-S20	.25	.001	$\frac{1}{16} \times 1$	6TM-D10	.25	.033	$\frac{1}{16} \times 1\frac{1}{4}$	6TM-S33	.35
.022	$\frac{3}{8} \times 1\frac{1}{4}$	4TM-S22	.30	.0015	$\frac{1}{16} \times 1$	6TM-D15	.25	.035	$\frac{1}{16} \times 1\frac{1}{4}$	6TM-S35	.35
.025	$\frac{1}{16} \times 1\frac{1}{4}$	4TM-S25	.30	.002	$\frac{1}{16} \times 1$	6TM-D20	.25	.04	$\frac{1}{2} \times 1\frac{1}{2}$	6TM-S40	.35
								.047	$\frac{1}{2} \times 1\frac{1}{2}$	6TM-S47	.40

All prices and sizes subject to change without notice.

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# SPRAGUE CAPACITORS

## DIFILM BLACK BEAUTY® MOLDED TUBULARS, continued

μF	D. x L.	Cat. No.	List	μF	D. x L.	Cat. No.	List	μF	D. x L.	Cat. No.	List
<b>600 WVDC (Cont.)</b>				<b>1000 WVDC</b>				<b>1000 WVDC (Cont.)</b>			
.05	1/2 x 1 1/2	6TM-S50	\$.40	.0005	5/16 x 1	10TM-T50	\$.50	.01	7/16 x 1 1/4	10TM-S10	\$.50
.06	1/2 x 1 1/2	6TM-S60	.40	.001	5/16 x 1	10TM-D10	.50	.015	1/2 x 1 1/2	10TM-S15	.50
.068	1/2 x 1 1/2	6TM-S68	.45	.0015	5/16 x 1	10TM-D15	.50	.02	1/2 x 1 1/2	10TM-S20	.50
.1	3/8 x 1 3/8	6TM-P10	.45	.002	3/8 x 1 1/4	10TM-D20	.50	.022	1/2 x 1 1/2	10TM-S22	.50
.15	3/8 x 1 3/8	6TM-P15	.50	.0022	3/8 x 1 1/4	10TM-D22	.50	.03	5/8 x 1 3/8	10TM-S30	.50
.2	3/4 x 2 1/4	6TM-P20	.65	.003	3/8 x 1 1/4	10TM-D30	.50	.035	5/8 x 1 3/8	10TM-S35	.50
.22	3/4 x 2 1/4	6TM-P22	.70	.004	3/8 x 1 1/4	10TM-D40	.50	.047	5/8 x 1 3/8	10TM-S47	.60
.25	3/4 x 2 1/4	6TM-P25	.75	.0047	3/8 x 1 1/4	10TM-D47	.50	.05	5/8 x 1 3/8	10TM-S50	.60
.47	1 x 2 1/2	6TM-P47	1.25	.005	3/8 x 1 1/4	10TM-D50	.50	.068	5/8 x 1 3/8	10TM-S68	.70
.5	1 x 2 1/2	6TM-P50	1.25	.0068	3/8 x 1 1/4	10TM-D68	.50	.1	3/4 x 2 1/4	10TM-P10	.75
1.0	1 x 2 1/2	6TM-M1	1.75					.15	3/4 x 2 1/4	10TM-P15	.95

### 1600 WVDC (Buffer)

.0005	3/8 x 1 1/4	MB-T5	\$.65	.0047	1/2 x 1 1/2	MB-D47	\$.65	.01	5/8 x 1 3/8	MB-S1	\$.70
.001	3/8 x 1 1/4	MB-D1	.65	.005	1/2 x 1 1/2	MB-D5	.65	.015	5/8 x 1 3/8	MB-S15	.70
.0015	3/8 x 1 1/4	MB-D15	.65	.006	1/2 x 1 1/2	MB-D6	.65	.02	5/8 x 1 3/8	MB-S2	.70
.002	3/8 x 1 1/4	MB-D2	.65	.0068	1/2 x 1 1/2	MB-D68	.65	.022	5/8 x 1 3/8	MB-S22	.70
.0022	3/8 x 1 1/4	MB-D22	.65	.007	1/2 x 1 1/2	MB-D7	.65	.03	3/4 x 2 1/4	MB-S3	.70
.003	7/16 x 1 1/4	MB-D3	.65	.0075	1/2 x 1 1/2	MB-D75	.65	.04	3/4 x 2 1/4	MB-S4	.70
.0033	7/16 x 1 1/4	MB-D33	.65	.008	5/8 x 1 3/8	MB-D8	.65	.05	3/4 x 2 1/8	TR-15*	.70
.004	1/2 x 1 1/2	MB-D4	.65								

\*Waxed paper construction

## MINERAL-OIL BLACK BEAUTY® MOLDED TUBULARS

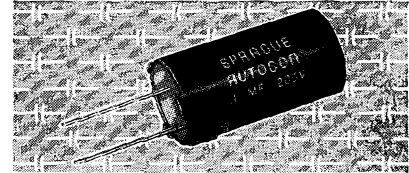
● Kraftboard Sleeve and Epoxy End-Seal Gives Added Circuit Protection ● All Paper Dielectric, Impregnated With Mineral Oil For Best High Voltage Performance ● Maximum Operating Temperature: 85°C

6000 WVDC				10,000 WVDC				12,500 WVDC			
.0005	5/16 x 1 3/8	TVM-356	\$1.35	.0005	1 1/16 x 2 1/4	TVM-351	\$1.50	.00025	1 1/16 x 2 1/4	12TVM-325	\$1.70
.001	5/16 x 1 3/8	TVM-216	1.35								
.005	1 1/16 x 2 1/4	TVM-256	1.35								

## AUTOCON® MOLDED TUBULAR CAPACITORS

- Generous 1" Lead Lengths Make Autocons Universal Replacements For All Single Ended Original Equipment Types Used on Printed Wiring Boards
- Pre-molded Thermosetting Plastic Shell with Plastic Resin Endseal for Humidity Protection, Outside Foil Identified by Index Key

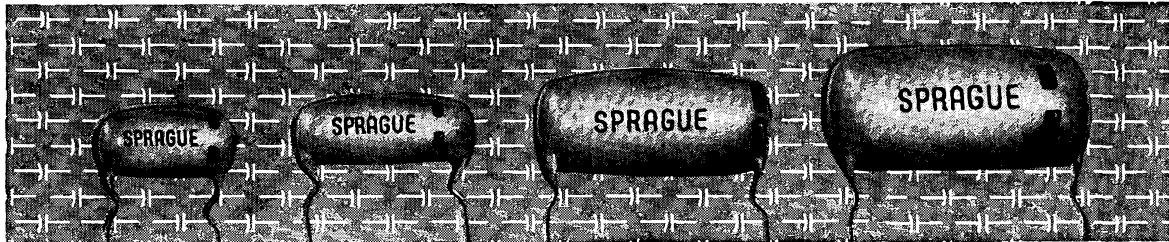
- Autocons Have High Insulation Resistance, Low Power Factor, and a Flat Temperature-Capacitance Curve
- Impregnated with HCX®, an Exclusive Solid Dielectric Material
- "Standoff" Feet Prevent Dust and Moisture Traps. Also Prevent Printed Wiring Board Shorts



μF	WVDC	Diam.	Length	Cat. No.	List	μF	WVDC	Diam.	Length	Cat. No.	List
.001	200	3/8	1 3/8	2SE-D10	\$.30	.015	400	3/8	1 3/8	4SE-S15	\$.30
.0015	200	3/8	1 3/8	2SE-D15	.30	.022	400	7/16	1 3/8	4SE-S22	.35
.0022	200	3/8	1 3/8	2SE-D22	.30	.033	400	7/16	1 3/8	4SE-S33	.35
.0033	200	3/8	1 3/8	2SE-D33	.30	.047	400	1/2	1 1/2	4SE-S47	.35
.0047	200	3/8	1 3/8	2SE-D47	.30	.068	400	1/2	1 1/2	4SE-S68	.40
.0068	200	3/8	1 3/8	2SE-D68	.30	.1	400	5/8	1 3/8	4SE-P10	.45
.01	200	3/8	1 3/8	2SE-S10	.30	.15	400	5/8	1 3/8	4SE-P15	.50
.015	200	3/8	1 3/8	2SE-S15	.30	.22	400	5/8	1 3/8	4SE-P22	.55
.022	200	3/8	1 3/8	2SE-S22	.35	.33	400	3/4	1 3/8	4SE-P33	.65
.033	200	3/8	1 3/8	2SE-S33	.35	.001	600	3/8	1 3/8	6SE-D10	.30
.047	200	7/16	1 3/8	2SE-S47	.35	.0015	600	3/8	1 3/8	6SE-D15	.30
.068	200	7/16	1 3/8	2SE-S68	.35	.0022	600	3/8	1 3/8	6SE-D22	.30
.1	200	1/2	1 1/2	2SE-P10	.40	.0033	600	3/8	1 3/8	6SE-D33	.30
.15	200	5/8	1 3/8	2SE-P15	.45	.0047	600	3/8	1 3/8	6SE-D47	.30
.22	200	5/8	1 3/8	2SE-P22	.50	.0068	600	3/8	1 3/8	6SE-D68	.30
.33	200	5/8	1 3/8	2SE-P33	.55						
.47	200	3/4	1 3/8	2SE-P47	.65	.01	600	3/8	1 3/8	6SE-S10	.35
.001	400	3/8	1 3/8	4SE-D10	.30	.015	600	7/16	1 3/8	6SE-S15	.35
.0015	400	3/8	1 3/8	4SE-D15	.30	.022	600	7/16	1 3/8	6SE-S22	.40
.0022	400	3/8	1 3/8	4SE-D22	.30	.033	600	1/2	1 1/2	6SE-S33	.40
.0033	400	3/8	1 3/8	4SE-D33	.30	.047	600	1/2	1 1/2	6SE-S47	.45
.0047	400	3/8	1 3/8	4SE-D47	.30	.068	600	5/8	1 3/8	6SE-S68	.50
.0068	400	3/8	1 3/8	4SE-D68	.30	.1	600	5/8	1 3/8	6SE-P10	.55
.01	400	3/8	1 3/8	4SE-S10	.30	.15	600	3/4	1 3/8	6SE-P15	.60

# SPRAGUE CAPACITORS

## ORANGE DROP<sup>®</sup> DIFILM<sup>®</sup> DIPPED TUBULARS



- Especially Made for Exact, Original Replacement
- Dual Dielectric (Polyester Film and Paper) Solidly Impregnated with Exclusive HCX<sup>®</sup> to Produce Rock-Hard Capacitor Section
- Outperforms Any Other Dipped Tubular Capacitor
- Double Dipped in Bright Orange Epoxy Resin—Beats Heat and Humidity
- Won't Leak or Drip
- Also Available in Handy Sprague Kleer-Pak<sup>®</sup> Boxes
- Capacitance Tolerance  $\pm 10\%$

$\mu$ F	D. x L.	Cat. No.	List	$\mu$ F	D. x L.	Cat. No.	List
<b>200 VOLTS D-C</b>				<b>600 VOLTS D-C (cont.)</b>			
.02	$\frac{3}{8} \times \frac{7}{8}$	2PS-S20	\$.25	.0039	$\frac{3}{8} \times \frac{1}{16}$	6PS-D39	\$.25
.022	$\frac{2}{64} \times \frac{7}{8}$	2PS-S22	.25	.004	$\frac{3}{8} \times \frac{1}{16}$	6PS-D40	.25
.047	$\frac{2}{64} \times \frac{7}{8}$	2PS-S47	.25	.0047	$\frac{2}{64} \times \frac{1}{16}$	6PS-D47	.25
.05	$\frac{1}{32} \times \frac{7}{8}$	2PS-S50	.25	.005	$\frac{2}{64} \times \frac{1}{16}$	6PS-D50	.25
.1	$\frac{2}{64} \times \frac{1}{16}$	2PS-P10	.35	.0056	$\frac{2}{64} \times \frac{1}{16}$	6PS-D56	.25
.15	$\frac{3}{16} \times \frac{1}{16}$	2PS-P15	.35	.006	$\frac{1}{32} \times \frac{1}{16}$	6PS-D60	.25
.2	$\frac{1}{32} \times \frac{1}{16}$	2PS-P20	.40	.0068	$\frac{1}{32} \times \frac{1}{16}$	6PS-D68	.30
.22	$\frac{3}{64} \times \frac{1}{16}$	2PS-P22	.40	.0075	$\frac{2}{64} \times \frac{7}{8}$	6PS-D75	.30
.25	$\frac{5}{8} \times \frac{1}{16}$	2PS-P25	.40	.008	$\frac{2}{64} \times \frac{7}{8}$	6PS-D80	.30
.33	$\frac{5}{8} \times \frac{1}{8}$	2PS-P33	.50	.0082	$\frac{3}{8} \times \frac{7}{8}$	6PS-D82	.30
.47	$\frac{4}{64} \times \frac{1}{8}$	2PS-P47	.60	.01	$\frac{2}{64} \times \frac{7}{8}$	6PS-S10	.30
.5	$\frac{2}{32} \times \frac{1}{8}$	2PS-P50	.60	.012	$\frac{2}{64} \times \frac{7}{8}$	6PS-S12	.30
<b>400 VOLTS D-C</b>				.015	$\frac{2}{64} \times \frac{7}{8}$	6PS-S15	.30
.01	$\frac{1}{32} \times \frac{1}{16}$	4PS-S10	\$.25	.02	$\frac{3}{64} \times \frac{7}{8}$	6PS-S20	.30
.015	$\frac{2}{64} \times \frac{1}{16}$	4PS-S15	.25	.022	$\frac{3}{64} \times \frac{7}{8}$	6PS-S22	.30
.02	$\frac{1}{32} \times \frac{7}{8}$	4PS-S20	.25	.025	$\frac{1}{32} \times \frac{7}{8}$	6PS-S25	.35
.022	$\frac{2}{64} \times \frac{7}{8}$	4PS-S22	.30	.027	$\frac{7}{16} \times \frac{1}{16}$	6PS-S27	.35
.025	$\frac{2}{64} \times \frac{7}{8}$	4PS-S25	.30	.03	$\frac{7}{16} \times \frac{1}{16}$	6PS-S30	.35
.03	$\frac{2}{34} \times \frac{7}{8}$	4PS-S30	.30	.033	$\frac{1}{32} \times \frac{1}{16}$	6PS-S33	.35
.033	$\frac{1}{32} \times \frac{7}{8}$	4PS-S33	.30	.035	$\frac{1}{32} \times \frac{1}{16}$	6PS-S35	.35
.04	$\frac{2}{64} \times \frac{1}{16}$	4PS-S40	.30	.039	$\frac{3}{64} \times \frac{1}{16}$	6PS-S39	.35
.047	$\frac{2}{34} \times \frac{1}{16}$	4PS-S47	.30	.04	$\frac{1}{2} \times \frac{1}{16}$	6PS-S40	.35
.05	$\frac{2}{34} \times \frac{1}{16}$	4PS-S50	.30	.047	$\frac{1}{32} \times \frac{1}{16}$	6PS-S47	.40
.056	$\frac{2}{64} \times \frac{1}{16}$	4PS-S56	.35	.05	$\frac{1}{32} \times \frac{1}{16}$	6PS-S50	.40
.068	$\frac{2}{64} \times \frac{1}{16}$	4PS-S68	.35	.056	$\frac{2}{64} \times \frac{1}{16}$	6PS-S56	.40
.075	$\frac{2}{64} \times \frac{1}{16}$	4PS-S75	.35	.06	$\frac{7}{16} \times \frac{1}{16}$	6PS-S60	.40
.1	$\frac{2}{64} \times \frac{1}{16}$	4PS-P10	.35	.068	$\frac{2}{64} \times \frac{1}{16}$	6PS-S68	.45
.15	$\frac{2}{34} \times \frac{1}{16}$	4PS-P15	.40	.075	$\frac{7}{16} \times \frac{1}{16}$	6PS-S75	.45
.2	$\frac{1}{32} \times \frac{1}{8}$	4PS-P20	.45	.082	$\frac{2}{64} \times \frac{1}{16}$	6PS-S82	.45
.22	$\frac{2}{34} \times \frac{1}{8}$	4PS-P22	.45	.1	$\frac{5}{8} \times \frac{1}{16}$	6PS-P10	.45
.25	$\frac{4}{14} \times \frac{1}{8}$	4PS-P25	.50	.15	$\frac{4}{64} \times \frac{1}{8}$	6PS-P15	.50
<b>600 VOLTS D-C</b>				.2	$\frac{3}{4} \times \frac{1}{8}$	6PS-P20	.65
.001	$\frac{2}{64} \times \frac{1}{16}$	6PS-D10	\$.25	.22	$\frac{2}{32} \times \frac{1}{8}$	6PS-P22	.70
.0012	$\frac{2}{64} \times \frac{1}{16}$	6PS-D12	.25	.25	$\frac{1}{16} \times \frac{1}{8}$	6PS-P25	.75
.0015	$\frac{2}{64} \times \frac{1}{16}$	6PS-D15	.25	<b>1000 VOLTS D-C</b>			
.0018	$\frac{2}{64} \times \frac{1}{16}$	6PS-D18	.25	.001	$\frac{2}{64} \times \frac{1}{16}$	10PS-D10	\$.50
.002	$\frac{2}{64} \times \frac{1}{16}$	6PS-D20	.25	.0015	$\frac{1}{32} \times \frac{1}{16}$	10PS-D15	.50
.0022	$\frac{2}{64} \times \frac{1}{16}$	6PS-D22	.25	.002	$\frac{3}{8} \times \frac{1}{16}$	10PS-D20	.50
.0025	$\frac{2}{64} \times \frac{1}{16}$	6PS-D25	.25	.0022	$\frac{3}{8} \times \frac{1}{16}$	10PS-D22	.50
.0027	$\frac{1}{32} \times \frac{1}{16}$	6PS-D27	.25	.003	$\frac{1}{32} \times \frac{7}{8}$	10PS-D30	.50
.003	$\frac{1}{32} \times \frac{1}{16}$	6PS-D30	.25	.004	$\frac{3}{8} \times \frac{7}{8}$	10PS-D40	.50
.0033	$\frac{2}{64} \times \frac{1}{16}$	6PS-D33	.25	.0047	$\frac{1}{32} \times \frac{7}{8}$	10PS-D47	.50
				.005	$\frac{1}{32} \times \frac{7}{8}$	10PS-D50	.50

All prices and sizes subject to change without notice.

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# SPRAGUE CAPACITORS

## BF ISOFARAD® PLASTIC FILM CAPACITORS



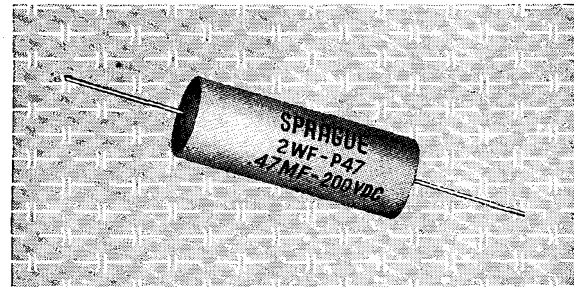
For Applications Where the Best  
in Tubulars is None too Good

- Isofarad Quality is a Must in Color TV Synchronizing Circuits, Horizontal and Vertical Oscillators, Bridge and Parallel-T Circuits and Other Tuned Circuit Applications Requiring Close Tolerance and Zero Temperature Coefficient of Capacitance
- Superior to Silvered Mica Capacitors, Yet Considerably Less Expensive
- Constant Capacitance—Will Not Change More Than  $\pm 0.2\%$  from Room Temperature to  $+80^\circ\text{C}$  at Maximum Rated Voltage Will Withstand Operating Temperatures to  $85^\circ\text{C}$  ( $185^\circ\text{F}$ )
- **Capacitance Tolerance:  $\pm 5\%$**
- Also Available in Handy Sprague Kleer-Pak® Boxes.

$\mu\text{F}$	D. x L.	Cat. No.	List	$\mu\text{F}$	D. x L.	Cat. No.	List
<b>500 WVDC</b>				<b>500 WVDC (cont.)</b>			
.001	$\frac{3}{8} \times 1$	5BF-D10	\$.75	.022	$\frac{1}{2} \times 1\frac{1}{2}$	5BF-S22	\$1.50
.0012	$\frac{3}{8} \times 1$	5BF-D12	.75	.027	$\frac{5}{8} \times 1\frac{3}{8}$	5BF-S27	1.50
.0015	$\frac{3}{8} \times 1$	5BF-D15	.75	.033	$\frac{5}{8} \times 1\frac{3}{8}$	5BF-S33	1.80
.0018	$\frac{3}{8} \times 1$	5BF-D18	.75	.039	$\frac{5}{8} \times 1\frac{3}{8}$	5BF-S39	1.80
.0022	$\frac{3}{8} \times 1$	5BF-D22	.75	.047	$\frac{5}{8} \times 1\frac{3}{8}$	5BF-S47	2.10
.0027	$\frac{3}{8} \times 1$	5BF-D27	.75	.056	$\frac{5}{8} \times 1\frac{3}{8}$	5BF-S56	2.10
.0033	$\frac{3}{8} \times 1$	5BF-D33	.75	.068	$\frac{5}{8} \times 1\frac{3}{8}$	5BF-S68	2.65
.0039	$\frac{3}{8} \times 1$	5BF-D39	.80	.082	$\frac{3}{4} \times 1\frac{1}{4}$	5BF-S82	3.60
.0047	$\frac{3}{8} \times 1$	5BF-D47	.80	.1	$\frac{3}{4} \times 2\frac{1}{4}$	5BF-P10	3.60
.0056	$\frac{3}{8} \times 1\frac{1}{4}$	5BF-D56	.80	.12	$\frac{7}{8} \times 2\frac{1}{2}$	5BF-P12	4.90
.0068	$\frac{3}{8} \times 1\frac{1}{4}$	5BF-D68	.80	.15	$\frac{7}{8} \times 2\frac{1}{2}$	5BF-P15	4.90
.0082	$\frac{7}{16} \times 1\frac{1}{4}$	5BF-D82	.80	.18	$\frac{7}{8} \times 2\frac{1}{2}$	5BF-P18	6.75
.01	$\frac{7}{16} \times 1\frac{1}{4}$	5BF-S10	.90	.22	$\frac{7}{8} \times 2\frac{1}{2}$	5BF-P22	6.75
.012	$\frac{1}{2} \times 1\frac{1}{4}$	5BF-S12	.90	.27	$1 \times 2\frac{1}{2}$	5BF-P27	8.25
.015	$\frac{1}{2} \times 1\frac{1}{4}$	5BF-S15	1.25	.33	$1 \times 2\frac{1}{2}$	5BF-P33	8.25
.018	$\frac{1}{2} \times 1\frac{1}{2}$	5BF-S18	1.25				

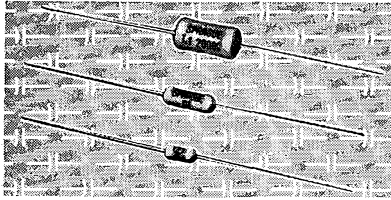
## WF YELLOW JACKET® FILMITE® 'E' CAPACITORS

- Excellent for Use in Transistorized Circuits and Low-Voltage Electron Tube Circuits
- Extended Foil Type Sections, Wound from Selected, Ultra-Thin Polyester Film and Thin Gauge Foil
- Outer Plastic Film Wrap and Resin End Seals Protect Against Moisture and Humidity
- "Smaller Than Small"—These Capacitors Will Fit Anywhere
- Rated to **200 WVDC**—Capacitance Tolerance:  $\pm 10\%$
- Designed for Operation to  $85^\circ\text{C}$  ( $185^\circ\text{F}$ )



$\mu\text{F}$	Dia. x Length	Cat. No.	List	$\mu\text{F}$	Dia. x Length	Cat. No.	List
<b>200 WVDC</b>				<b>200 WVDC (cont.)</b>			
.01	$\frac{1}{32} \times \frac{1}{16}$	2WF-S10	\$.95	.12	$\frac{1}{32} \times \frac{1}{16}$	2WF-P12	\$1.05
.012	$\frac{1}{32} \times \frac{1}{16}$	2WF-S12	.95	.15	$\frac{1}{32} \times \frac{1}{16}$	2WF-P15	1.05
.015	$\frac{1}{32} \times \frac{1}{16}$	2WF-S15	.95	.18	$\frac{1}{32} \times \frac{1}{16}$	2WF-P18	1.10
.018	$\frac{1}{32} \times \frac{1}{16}$	2WF-S18	.95	.22	$\frac{1}{32} \times \frac{1}{16}$	2WF-P22	1.10
.022	$\frac{1}{32} \times \frac{1}{16}$	2WF-S22	.95	.27	$\frac{1}{32} \times \frac{1}{16}$	2WF-P27	1.10
.027	$\frac{1}{32} \times \frac{1}{16}$	2WF-S27	.95	.33	$\frac{1}{32} \times \frac{1}{16}$	2WF-P33	1.10
.033	$\frac{1}{32} \times \frac{1}{16}$	2WF-S33	1.00	.39	$\frac{3}{64} \times \frac{1}{16}$	2WF-P39	1.20
.039	$\frac{1}{32} \times \frac{1}{16}$	2WF-S39	1.00	.47	$\frac{3}{64} \times \frac{1}{16}$	2WF-P47	1.20
.047	$\frac{1}{32} \times \frac{1}{16}$	2WF-S47	1.00	.56	$\frac{3}{64} \times \frac{1}{16}$	2WF-P56	1.50
.056	$\frac{1}{4} \times \frac{1}{16}$	2WF-S56	1.00	.68	$\frac{3}{64} \times \frac{1}{16}$	2WF-P68	1.50
.068	$\frac{1}{4} \times \frac{1}{16}$	2WF-S68	1.00	.82	$\frac{1}{32} \times \frac{1}{16}$	2WF-P82	1.50
.082	$\frac{1}{32} \times \frac{1}{16}$	2WF-S82	1.00	1.0	$\frac{1}{32} \times \frac{1}{16}$	2WF-M1	1.50
.1	$\frac{1}{32} \times \frac{1}{16}$	2WF-P10	1.05				

# SPRAGUE CAPACITORS



## TYPE 192P PACER® FILMITE® 'E' CAPACITORS

For Minimum Size in Commercial And Industrial Electronics

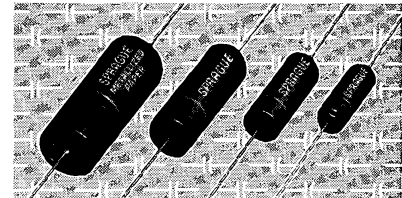
- Completely New Construction—Extended Foil Film Sections Terminate in End Caps With Wire Leads Assuring Best Possible Non-inductive Section.
- Controlled Dimensions Permit Use of Automatic Insertion Equipment for Installing Pacer Capacitors on Printed Wiring Boards.
- Pacers are Wound With Ultra-thin Polyester Film Dielectric and Thin Gage Foil Under Controlled Atmospheric Conditions.
- Entire Assembly Protected by Hard, Durable Orange Epoxy Coating. Rated for Operation from  $-55C$  to  $+85C$ .
- Also Available in Klear-Paks.

$\mu F$	D. x L.	Cat. No.	List	$\mu F$	D. x L.	Cat. No.	List
200 VOLTS D-C				200 VOLTS D-C			
.00047	$\frac{3}{64} \times \frac{3}{16}$	192P47192	\$.55	.01	$1\frac{1}{64} \times \frac{1}{2}$	192P10392	\$.50
.00056	$\frac{3}{64} \times \frac{3}{16}$	192P56192	.50	.012	$\frac{7}{32} \times \frac{7}{16}$	192P12392	.50
.00068	$\frac{3}{64} \times \frac{3}{16}$	192P68192	.50	.015	$\frac{7}{32} \times \frac{7}{16}$	192P15392	.50
.00082	$\frac{3}{64} \times \frac{3}{16}$	192P82192	.50	.018	$\frac{7}{32} \times \frac{7}{16}$	192P18392	.50
.001	$\frac{3}{64} \times \frac{3}{16}$	192P10292	.45	.022	$\frac{7}{32} \times \frac{7}{16}$	192P22392	.50
.0012	$\frac{3}{64} \times \frac{3}{16}$	192P12292	.45	.027	$\frac{1}{4} \times \frac{3}{16}$	192P27392	.55
.0015	$\frac{3}{64} \times \frac{3}{16}$	192P15292	.45	.033	$\frac{1}{4} \times \frac{3}{16}$	192P33392	.55
.0018	$\frac{1}{16} \times \frac{3}{16}$	192P18292	.45	.039	$\frac{1}{4} \times \frac{1}{2}$	192P39392	.60
.0022	$\frac{1}{16} \times \frac{3}{16}$	192P22292	.45	.047	$\frac{1}{4} \times \frac{1}{2}$	192P47392	.65
.0027	$\frac{1}{16} \times \frac{3}{16}$	192P27292	.45	.056	$\frac{1}{4} \times \frac{5}{8}$	192P56392	.65
.0033	$\frac{1}{16} \times \frac{3}{16}$	192P33292	.45	.068	$\frac{1}{4} \times \frac{5}{8}$	192P68392	.70
.0039	$\frac{1}{16} \times \frac{3}{16}$	192P39292	.45	.082	$\frac{2}{64} \times \frac{5}{8}$	192P82392	.75
.0047	$\frac{1}{16} \times \frac{3}{16}$	192P47292	.45	.1	$\frac{2}{64} \times \frac{5}{8}$	192P10492	.75
.0056	$\frac{1}{16} \times \frac{3}{16}$	192P56292	.45	.12	$\frac{2}{64} \times \frac{7}{8}$	192P12492	.80
.0068	$\frac{1}{16} \times \frac{3}{16}$	192P68292	.45	.15	$\frac{2}{64} \times \frac{7}{8}$	192P15492	.80
.0082	$\frac{1}{16} \times \frac{1}{2}$	192P82292	.50	.22	$\frac{2}{64} \times 1\frac{1}{16}$	192P22492	.85

## TYPE 155P & 156P MOLDED METALLIZED PAPER CAPACITORS

Moderate Cost Approach to Commercial and Industrial Electronic Miniaturization

- Superior to Most Competitive Units—Will Withstand Tests of Twice-rated Voltage Providing Extra Safety Factor for the Equipment Designer.
- Superior to Paper-jacketed or Film-wrapped Metallized Capacitors Under Conditions of High Humidity. Useful in Low-noise Level Circuits—Self-generated Noise is Practically Non-existent.
- Type 155P are Molded in Case—Type 156P are in Premolded Cases, Sealed With Epoxy, Bonding Tightly to Lead and Case. Also available in Klear-Paks.



$\mu F$	D. x L.	Ordering Information	List	$\mu F$	D. x L.	Ordering Information	List	$\mu F$	D. x L.	Ordering Information	List
200 VOLTS D-C				200 VOLTS D-C (Cont.)				400 VOLTS D-C (Cont.)			
.01	$\frac{3}{16} \times 1$	155P .01-200	\$.70	7.0	$\frac{7}{8} \times 2\frac{1}{2}$	156P 7.0-200	\$5.55	1.0	$\frac{3}{4} \times 2\frac{1}{4}$	156P 1.0-400	\$2.15
.015	$\frac{3}{16} \times 1$	155P .015-200	.70	7.5	$\frac{7}{8} \times 2\frac{1}{2}$	156P 7.5-200	5.85	1.5	$\frac{3}{8} \times 2\frac{1}{2}$	156P 1.5-400	2.65
.02	$\frac{3}{16} \times 1$	155P .02-200	.70	8.0	$1 \times 2\frac{1}{2}$	156P 8.0-200	6.25	2.0	$\frac{7}{8} \times 2\frac{1}{2}$	156P 2.0-400	3.00
.022	$\frac{3}{16} \times 1$	155P .022-200	.70	8.5	$1 \times 2\frac{1}{2}$	156P 8.5-200	6.50	2.5	$1 \times 2\frac{1}{2}$	156P 2.5-400	3.75
.03	$\frac{3}{16} \times 1$	155P .03-200	.75	9.0	$1 \times 2\frac{1}{2}$	156P 9.0-200	6.75	600 VOLTS D-C			
.033	$\frac{3}{16} \times 1$	155P .033-200	.75	9.5	$1 \times 2\frac{1}{2}$	156P 9.5-200	7.00	.01	$\frac{3}{16} \times 1$	155P .01-600	\$.75
.047	$\frac{3}{16} \times 1$	155P .047-200	.75	400 VOLTS D-C				.015	$\frac{3}{8} \times 1\frac{1}{4}$	155P .015-600	.75
.05	$\frac{3}{16} \times 1$	155P .05-200	.75	.01	$\frac{3}{16} \times 1$	155P .01-400	\$.70	.02	$\frac{3}{8} \times 1\frac{1}{4}$	155P .02-600	.75
.068	$\frac{3}{16} \times 1$	155P .068-200	.75	.015	$\frac{3}{16} \times 1$	155P .015-400	.70	.022	$\frac{3}{8} \times 1\frac{1}{4}$	155P .022-600	.75
.1	$\frac{3}{16} \times 1$	155P .1-200	.75	.02	$\frac{3}{16} \times 1$	155P .02-400	.70	.03	$\frac{3}{8} \times 1\frac{1}{4}$	155P .03-600	.80
.15	$\frac{3}{8} \times 1\frac{1}{4}$	155P .15-200	.75	.022	$\frac{3}{16} \times 1$	155P .022-400	.70	.033	$\frac{3}{8} \times 1\frac{1}{4}$	155P .033-600	.80
.22	$\frac{3}{8} \times 1\frac{1}{4}$	155P .22-200	.75	.025	$\frac{3}{8} \times 1\frac{1}{4}$	155P .025-400	.70	.04	$\frac{3}{8} \times 1\frac{1}{4}$	155P .04-600	.85
.25	$\frac{7}{16} \times 1\frac{1}{4}$	155P .25-200	1.10	.03	$\frac{3}{8} \times 1\frac{1}{4}$	155P .03-400	.70	.047	$\frac{3}{8} \times 1\frac{1}{4}$	155P .047-600	.85
.33	$\frac{7}{16} \times 1\frac{1}{4}$	155P .33-200	1.10	.033	$\frac{3}{8} \times 1\frac{1}{4}$	155P .033-400	.70	.05	$\frac{7}{16} \times 1\frac{1}{4}$	155P .05-600	.85
.47	$\frac{7}{16} \times 1\frac{1}{4}$	155P .47-200	1.10	.04	$\frac{3}{8} \times 1\frac{1}{4}$	155P .04-400	.70	.06	$\frac{7}{16} \times 1\frac{1}{4}$	155P .06-600	.85
.5	$\frac{1}{2} \times 1\frac{1}{2}$	155P .5-200	1.30	.047	$\frac{3}{8} \times 1\frac{1}{4}$	155P .047-400	.70	.068	$\frac{7}{16} \times 1\frac{1}{4}$	155P .068-600	.85
.68	$\frac{1}{2} \times 1\frac{1}{2}$	155P .68-200	1.30	.05	$\frac{3}{8} \times 1\frac{1}{4}$	155P .05-400	.75	.1	$\frac{1}{2} \times 1\frac{1}{2}$	155P .1-600	.95
1.0	$\frac{1}{2} \times 1\frac{1}{2}$	155P 1.0-200	1.75	.068	$\frac{3}{8} \times 1\frac{1}{4}$	155P .068-400	.75	.15	$\frac{1}{2} \times 1\frac{1}{2}$	155P .15-600	1.20
1.5	$\frac{5}{8} \times 1\frac{7}{8}$	155P 1.5-200	2.00	.1	$\frac{7}{16} \times 1\frac{1}{4}$	155P .1-400	.85	.2	$\frac{5}{8} \times 1\frac{7}{8}$	155P .2-600	1.50
2.0	$\frac{5}{8} \times 1\frac{7}{8}$	155P 2.0-200	2.35	.15	$\frac{1}{2} \times 1\frac{1}{2}$	155P .15-400	1.10	.22	$\frac{5}{8} \times 1\frac{7}{8}$	155P .22-600	1.50
2.5	$\frac{3}{4} \times 2\frac{1}{4}$	156P 2.5-200	2.75	.2	$\frac{1}{2} \times 1\frac{1}{2}$	155P .2-400	1.15	.25	$\frac{5}{8} \times 1\frac{7}{8}$	155P .25-600	1.50
3.0	$\frac{3}{4} \times 2\frac{1}{4}$	156P 3.0-200	3.00	.22	$\frac{1}{2} \times 1\frac{1}{2}$	155P .22-400	1.15	.33	$\frac{5}{8} \times 1\frac{7}{8}$	155P .33-600	1.55
3.5	$\frac{3}{4} \times 2\frac{1}{4}$	156P 3.5-200	3.50	.25	$\frac{5}{8} \times 1\frac{7}{8}$	155P .25-400	1.20	.47	$\frac{3}{4} \times 2\frac{1}{4}$	156P .47-600	1.90
4.0	$\frac{3}{4} \times 2\frac{1}{4}$	156P 4.0-200	3.70	.33	$\frac{5}{8} \times 1\frac{7}{8}$	155P .33-400	1.20	.5	$\frac{3}{4} \times 2\frac{1}{4}$	156P .5-600	1.90
4.5	$\frac{7}{8} \times 2\frac{1}{2}$	156P 4.5-200	4.00	.47	$\frac{5}{8} \times 1\frac{7}{8}$	155P .47-400	1.50	.68	$\frac{3}{4} \times 2\frac{1}{4}$	156P .68-600	1.90
5.0	$\frac{7}{8} \times 2\frac{1}{2}$	156P 5.0-200	4.25	.5	$\frac{5}{8} \times 1\frac{7}{8}$	156P .5-400	1.55	1.0	$\frac{7}{8} \times 2\frac{1}{2}$	156P 1.0-600	2.30
5.5	$\frac{7}{8} \times 2\frac{1}{2}$	156P 5.5-200	4.50	.68	$\frac{3}{4} \times 2\frac{1}{4}$	156P .68-400	1.75	1.5	$1 \times 2\frac{1}{2}$	156P 1.5-600	3.15
6.0	$\frac{7}{8} \times 2\frac{1}{2}$	156P 6.0-200	5.00								
6.5	$\frac{7}{8} \times 2\frac{1}{2}$	156P 6.5-200	5.25								

All prices and sizes subject to change without notice.

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# SPRAGUE CAPACITORS

## SCREWBASE PC OILS

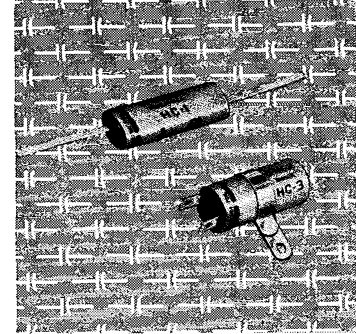
- Oil-Impregnated
- Oil-Filled
- Screwbase Can For Easy Single Hole Mounting
- Small Size—Will Fit Tight Spaces



μF	WVDC	Diam x Lgth.	Cat. No.	List
2	600	1 1/2 x 2 7/8	PC-26	\$5.40
3	600	1 1/2 x 3 1/2	PC-36	6.15
4	600	1 1/2 x 5 1/4	PC-46	7.10
1	1000	1 1/2 x 2 7/8	PC-11	5.00
2	1000	1 1/2 x 4 1/2	PC-21	6.30
0.5	1500	1 1/2 x 2 3/8	PC-515	5.85
1	1500	1 1/2 x 3 7/8	PC-115	6.30

## HC HASH CAPACITORS

DESIGNED TO BY-PASS R-F IN BATTERY AND VIBRATOR CIRCUITS OF AUTOMOBILE RADIOS



- HC-1 Has Braided Leads For Low R-F Resistance
- HC-3 Has Flat Strap Leads For Minimum R-F Impedance

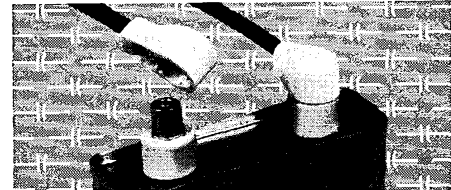
μF	WVDC	Size	Cat. No.	List
.5	120	7/16 x 3/4 x 2 (oval tube)	HC-1	\$ .90
.5	120	3/4 x 1 5/8 (round tube)	HC-3	1.10

## CR RECTANGULAR OILS



- Hermetically Sealed in Rugged Rectangular Metal Cans
- Oil-Impregnated and Oil-Filled
- Extremely High Insulation Resistance
- Will Withstand High Surge Voltages and High Ambient Temperatures
- Widely Used in Transmitter Power Supplies and Other High-Voltage Applications
- Correct Mounting Brackets are Supplied with all CR Units

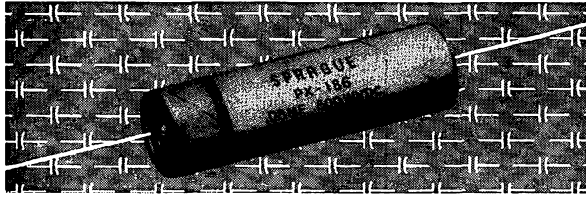
- Furnished With Adapters (as shown below) to Fit Standard Transmitting Tube Plate Caps



μF	WVDC	T. x W. x L.	Cat. No.	List	μF	WVDC	T. x W. x L.	Cat. No.	List
.5	600	1 1/16 x 1 13/16 x 2 1/4	CR-056	\$4.70	3.0	2000	1 1/4 x 3 3/4 x 4 3/4	CR-32	\$13.20
1.0	600	1 1/16 x 1 13/16 x 2 1/4	CR-16	5.80	4.0	2000	2 1/4 x 3 3/4 x 3 7/8	CR-42	15.15
2.0	600	1 1/16 x 1 13/16 x 2 7/8	CR-26	7.15	6.0	2000	3 3/16 x 3 3/4 x 4 1/2	CR-62	20.10
3.0	600	1 1/16 x 1 13/16 x 3 1/4	CR-36	8.25	10.0	2000	4 7/16 x 3 3/4 x 4 3/4	CR-102	30.55
4.0	600	1 3/16 x 2 1/2 x 3 1/2	CR-46	9.10	.1	2500	1 3/16 x 2 1/2 x 2 1/2	CR-0125	10.15
6.0	600	1 3/16 x 2 1/2 x 4 3/4	CR-66	11.30	.5	2500	1 1/4 x 3 3/4 x 3 3/4	CR-0525	11.55
8.0	600	1 1/4 x 3 3/4 x 3 7/8	CR-86	13.50	1.0	2500	1 3/4 x 3 3/4 x 3 1/4	CR-125	13.20
10.0	600	1 1/4 x 3 3/4 x 4 3/4	CR-106	15.15	2.0	2500	1 3/4 x 3 3/4 x 4 3/4	CR-225	21.45
.1	1000	1 1/16 x 1 13/16 x 1 9/8	CR-011	4.15	4.0	2500	4 7/16 x 3 3/4 x 4 3/8	CR-425	30.00
.25	1000	1 1/16 x 1 13/16 x 2 1/4	CR-0251	4.70	.1	3000	1 3/16 x 2 1/2 x 2 1/2	CR-013	14.05
.5	1000	1 1/16 x 1 13/16 x 2 1/4	CR-051	4.95	.25	3000	1 3/16 x 2 1/2 x 2 7/8	CR-0253	14.85
1.0	1000	1 1/16 x 1 13/16 x 2 1/4	CR-11	6.35	.5	3000	1 3/16 x 2 1/2 x 4 1/4	CR-053	16.80
2.0	1000	1 1/16 x 1 13/16 x 3 7/8	CR-21	8.25	1.0	3000	2 1/4 x 3 3/4 x 3 7/8	CR-13	20.10
4.0	1000	1 3/16 x 2 1/2 x 3 3/8	CR-41	10.45	2.0	3000	3 3/16 x 3 3/4 x 4 1/2	CR-23	25.05
8.0	1000	1 1/4 x 3 3/4 x 4 3/4	CR-81	15.15	4.0	3000	4 7/16 x 3 3/4 x 4 3/4	CR-43	36.85
10.0	1000	1 3/4 x 3 3/4 x 4 3/4	CR-101	16.80	.1	4000	2 1/4 x 3 3/4 x 2 3/4	CR-014	18.00
12.0	1000	2 1/4 x 3 3/4 x 4 1/2	CR-121	18.15	.25	4000	2 1/4 x 3 3/4 x 2 3/4	CR-0254	20.00
15.0	1000	2 1/2 x 3 3/4 x 4 3/4	CR-151	20.10	.5	4000	2 1/4 x 3 3/4 x 3 7/8	CR-054	23.00
.5	1500	1 1/16 x 1 13/16 x 2 7/8	CR-0515	6.35	1.0	4000	2 1/4 x 3 3/4 x 5 1/8	CR-14	29.00
1.0	1500	1 1/16 x 1 13/16 x 3 7/8	CR-115	7.45	2.0	4000	4 7/16 x 3 3/4 x 5 1/8	CR-24	39.00
2.0	1500	1 3/16 x 2 1/2 x 4 1/4	CR-215	10.20	.2	5000	1 3/4 x 3 3/4 x 3 7/8	CR-025	20.00
4.0	1500	1 1/4 x 3 3/4 x 4 3/4	CR-415	14.05	.5	5000	2 1/4 x 3 3/4 x 4 1/2	CR-055	25.00
5.0	1500	1 1/4 x 3 3/4 x 4 3/4	CR-515	15.15	1.0	5000	4 7/16 x 3 3/4 x 4 3/8	CR-15	34.00
8.0	1500	2 1/2 x 3 3/4 x 4 3/4	CR-815	20.90	2.0	5000	4 7/16 x 3 3/4 x 6	CR-25	52.00
10.0	1500	3 3/16 x 3 3/4 x 4 3/4	CR-1015	25.05	.1	6000	2 1/4 x 3 3/4 x 3 3/8	CR-0160	27.00
.1	2000	1 3/16 x 2 1/2 x 2 1/2	CR-012	6.60	.2	6000	1 3/4 x 3 3/4 x 4 1/4	CR-0260	30.00
.25	2000	1 3/16 x 2 1/2 x 2 1/2	CR-0252	7.15	1.0	6000	4 7/16 x 3 3/4 x 7 1/2	CR-160	49.00
.5	2000	1 3/16 x 2 1/2 x 2 7/8	CR-052	7.45	.1	7500	2 1/4 x 3 3/4 x 3 7/8	CR-0175	29.00
1.0	2000	1 3/16 x 2 1/2 x 3 1/2	CR-12	9.10	.2	7500	1 3/4 x 3 3/4 x 4 3/4	CR-0275	33.00
2.0	2000	1 1/4 x 3 3/4 x 4 1/4	CR-22	10.75					

# SPRAGUE CAPACITORS

## PX METAL-ENCASED TUBULARS



- Rubber-Phenolic Compression Disc  
Seals Assure Positive Hermetic Closure
- Oil-Filled and Oil-Impregnated for Greater Dielectric Strength at Higher Temperatures
- Furnished with Insulating Kraftboard Outer Sleeve

μF	Diam. x Length	Cat. No.	List	μF	Diam. x Length	Cat. No.	List	μF	Diam. x Length	Cat. No.	List
<b>600 WVDC</b>				<b>1000 WVDC</b>				<b>1500 WVDC</b>			
.0001	1/2 x 1 1/4	PX-316	\$.95	.1	1 1/16 x 1 7/8	PX-16	\$1.25	.06	1 1/16 x 2	PX-161	\$1.35
.00025	1/2 x 1 1/4	PX-3256	.95	.25	1 3/16 x 2 13/16	PX-26	1.70	.08	1 1/16 x 2	PX-181	1.40
.0005	1/2 x 1 1/4	PX-356	.95	.5	1 1/16 x 2 13/16	PX-56	2.20	.1	1 1/16 x 2	PX-11	1.50
.001	1/2 x 1 1/4	PX-216	.95	1.0	1 1/16 x 3 1/16	PX-106	3.00	.25	1 1/16 x 2 13/16	PX-21	2.00
.002	1/2 x 1 1/4	PX-226	.95	<b>2000 WVDC</b>				.5	1 1/16 x 3 1/16	PX-51	2.85
.003	1/2 x 1 1/4	PX-236	.95	.0001	1/2 x 1 1/4	PX-311	1.10	<b>1500 WVDC</b>			
.004	1/2 x 1 1/4	PX-246	.95	.00025	1/2 x 1 1/4	PX-3251	1.10	.002	1 1/16 x 1 3/16	PX-2215	1.20
.005	1/2 x 1 1/4	PX-256	.95	.0005	1/2 x 1 1/4	PX-351	1.10	.005	1 1/16 x 1 3/16	PX-2515	1.20
.006	1/2 x 1 1/4	PX-266	.95	.001	1 1/16 x 1 1/4	PX-211	1.10	.01	1 1/16 x 1 3/8	PX-1115	1.20
.007	1/2 x 1 1/4	PX-276	.95	.002	1 1/16 x 1 1/4	PX-221	1.10	.02	1 1/16 x 1 3/8	PX-1215	1.30
.008	1/2 x 1 1/4	PX-286	.95	.003	1 1/16 x 1 1/4	PX-231	1.10	<b>2000 WVDC</b>			
.009	1/2 x 1 1/4	PX-296	.95	.004	1 1/16 x 1 1/4	PX-241	1.10	.0005	1 3/16 x 1 3/8	PX-352	1.25
.01	1/2 x 1 1/4	PX-116	.95	.005	1 1/16 x 1 1/4	PX-251	1.10	.001	1 3/16 x 1 3/8	PX-212	1.25
.02	1/2 x 1 1/4	PX-126	1.05	.006	1 1/16 x 1 1/4	PX-261	1.10	.005	1 3/16 x 1 3/8	PX-252	1.25
.03	5/8 x 1 3/8	PX-136	1.10	.007	1 1/16 x 1 1/4	PX-271	1.10	.006	1 3/16 x 1 3/4	PX-262	1.25
.04	5/8 x 1 3/8	PX-146	1.10	.008	1 1/16 x 1 1/4	PX-281	1.10	.0075	1 3/16 x 1 3/4	PX-2752	1.25
.05	5/8 x 1 3/8	PX-156	1.10	.009	1 1/16 x 1 1/4	PX-291	1.10	.01	1 3/16 x 1 3/4	PX-112	1.25
.06	1 1/16 x 1 3/8	PX-166	1.20	.01	1 1/16 x 1 1/4	PX-111	1.10	.02	1 3/16 x 2 1/8	PX-122	1.35
.08	1 1/16 x 1 3/8	PX-186	1.20	.02	5/8 x 1 5/8	PX-121	1.20	.03	1 3/16 x 2 1/8	PX-132	1.40
				.03	1 3/16 x 1 13/16	PX-131	1.20	.04	1 3/16 x 2 1/2	PX-142	1.40
				.04	1 3/16 x 1 13/16	PX-141	1.20	.05	1 3/16 x 2 1/2	PX-152	1.45
				.05	1 3/16 x 1 13/16	PX-151	1.30				



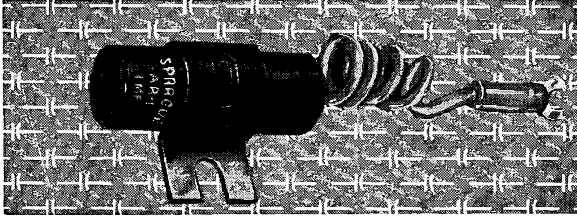
## BP BATHTUB CAPACITORS

- For Applications Where Severe Operating Conditions Are Encountered
- Hermetically Sealed for Extra Protection
- Seamless Drawn Metal Can
- Oil-Filled and Oil-impregnated for Long, Dependable Service Life
- Convenient Mounting Ears are Integral Part of Metal Container

μF	L x W. x H.	Cat. No.	List	μF	L x W. x H.	Cat. No.	List
<b>400 WVDC</b>				<b>1000 WVDC</b>			
.1	1 13/16 x 1 x 3/4	BP-1	\$2.20	.1 + .1	1 13/16 x 1 x 3/4	BP-216	\$3.70
.25	1 13/16 x 1 x 3/4	BP-25	2.50	.25 + .25	1 13/16 x 1 x 3/4	BP-2256	3.75
.5	1 13/16 x 1 x 3/4	BP-50	2.65	.5 + .5	2 x 1 3/4 x 3/4	BP-2506	4.30
1.0	2 x 1 3/4 x 3/4	BP-10	3.15	1.0 + 1.0	2 x 2 x 1 1/8	BP-116	5.30
.1 + .1	1 13/16 x 1 x 3/4	BP-21	3.30	.1 + .1 + .1	1 13/16 x 1 x 3/4	BP-316	4.20
.25 + .25	1 13/16 x 1 x 3/4	BP-225	3.60	.25 + .25 + .25	2 x 1 3/4 x 3/4	BP-3256	4.75
.5 + .5	2 x 1 3/4 x 3/4	BP-250	4.15	.5 + .5 + .5	2 x 2 x 1 1/8	BP-356	5.75
.1 + .1 + .1	1 13/16 x 1 x 3/4	BP-31	4.00	<b>600 WVDC</b>			
<b>600 WVDC</b>				<b>1000 WVDC</b>			
.05	1 13/16 x 1 x 3/4	BP-56	2.90	.05	1 13/16 x 1 x 3/4	BP-51	3.05
.1	1 13/16 x 1 x 3/4	BP-16	2.95	.1	1 13/16 x 1 x 3/4	BP-11	3.15
.25	1 13/16 x 1 x 3/4	BP-256	3.10	.25	1 13/16 x 1 x 3/4	BP-251	3.25
.5	1 13/16 x 1 x 3/4	BP-506	3.30	.5	2 x 1 3/4 x 3/4	BP-501	3.55
1.0	2 x 1 3/4 x 3/4	BP-106	3.75	1.0	2 x 2 x 1 1/8	BP-101	4.40
2.0	2 x 2 x 1 1/8	BP-206	5.00	.05 + .05	1 13/16 x 1 x 3/4	BP-2051	3.85
.05 + .05	1 13/16 x 1 x 3/4	BP-2056	3.65	.1 + .1	1 13/16 x 1 x 3/4	BP-211	4.00
				.25 + .25	2 x 1 3/4 x 3/4	BP-2251	4.20
				.5 + .5	2 x 2 x 1 1/8	BP-2501	5.45
				.1 + .1 + .1	1 13/16 x 1 x 3/4	BP-311	4.60
				.25 + .25 + .25	2 x 2 x 1 1/8	BP-3251	5.50

# SPRAGUE CAPACITORS

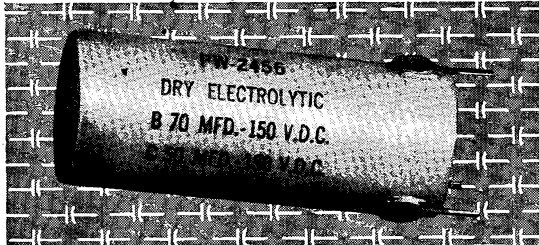
## AR AUTO GENERATOR TYPES



- Exceptionally Sturdy Design
- Withstand Bouncing and Vibration
- Oil-impregnated, Metal Encased
- Resist Heat and Humidity

$\mu$ F	Size	Cat. No.	List
1.0	1 x 2 $\frac{3}{16}$	AR-1	\$1.75
.5	1 $\frac{1}{16}$ x 1 $\frac{7}{8}$	AR-2	.90
.5+.5	1 x 2 $\frac{3}{16}$	AR-25	3.25
.5	1 $\frac{1}{16}$ x 1 $\frac{7}{8}$	AR-Ford	1.45

## PW PIN TYPE ELECTROLYTICS



- Dependable Exact Replacement Capacitors For Clock Radios, Amplifiers, Phonographs, and Other Low-Cost Printed Wiring Board Applications
- Kraftboard Case, Sealed With Special Wax Dip For Additional Humidity Protection
- Pin Type Terminals Ideally Suited For Easy Mounting On Printed Wiring Boards
- Available in 12 Popular Capacitance Combinations.

$\mu$ F	WVDC	Diam. x Length	Cat. No.	List Price	$\mu$ F	WVDC	Diam. x Length	Cat. No.	List Price
50-30	50	1 x 2	PW-2350	\$2.15	75-30	150	1 x 2 $\frac{1}{2}$	PW-2457	\$2.50
50-30	150	1 x 2 $\frac{1}{2}$	PW-2450	2.35	80-40	150	1 x 2 $\frac{1}{2}$	PW-2461	2.55
50-50	150	1 x 2 $\frac{1}{2}$	PW-2453	2.45	80-50	150	1 x 2 $\frac{1}{2}$	PW-2462	2.60
60-40	150	1 x 2 $\frac{1}{2}$	PW-2454	2.45	100-50	150	1 x 2 $\frac{1}{2}$	PW-2463	2.70
70-30	150	1 x 2 $\frac{1}{2}$	PW-2455	2.45	50-50	200	1 x 2 $\frac{1}{4}$	PW-2553	2.60
70-50	150	1 x 2 $\frac{1}{2}$	PW-2456	2.55	50-30-20	150	1 x 2	PW-3453	2.85

## TYPE SK-1 SUPPRESSIKIT

Provides effective suppression of radio frequency interference in mobile radio equipment

- Permits Faster, More Readable, Less Tiring Communication at Greater Ranges
- Makes Possible H-F Interference Control by Means of New, Extended Range, THRU-PASS® Capacitors Which Are Effective Through 400 mc
- Thru-pass Generator Capacitor Rated at 257°F (125°C) for Full 60 Ampere Load, Protects Against Expensive Generator Burnouts. Shielded Cable Prevents Radiation of Interference
- Contains Only 5 Easy-To-Install Basic Parts
- Comprehensive Step-By-Step Instructions in Each Neatly-Packaged Kit
- Dealer Net \$17.85



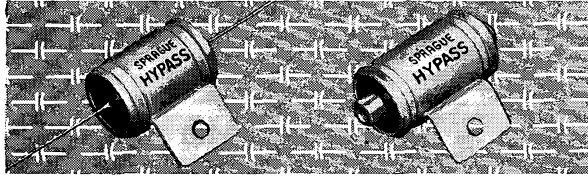
INDIVIDUAL COMPONENTS AS SHOWN IN THE SUPPRESSIKIT ABOVE

$\mu$ F	VDC	Dia. x Length	Description	Cat. No.	List
.1	50	1 $\frac{1}{16}$ x 2 $\frac{3}{16}$	Thru-Pass Capacitor, 60 Amp, 85°C For Voltage Regulator	JN-17-423	\$ 9.50
.5	50	1 x 1 $\frac{1}{16}$	Thru-Pass Capacitor, 60 Amp, 125°C With Shielded Cable for Generator	JN-17-424	16.50
.002	50	$\frac{1}{2}$ x 1	Filter Capacitor with 5 Ohm Resistor for Generator Field Terminal	JN-17-426	4.50
.1	50	1 $\frac{1}{16}$ x 2 $\frac{3}{16}$	Thru-Pass Capacitor, 60 Amp, 85°C for Ignition Coil Primary	JN-17-907	10.50



# SPRAGUE FILTERS

## HYPASS® CAPACITORS



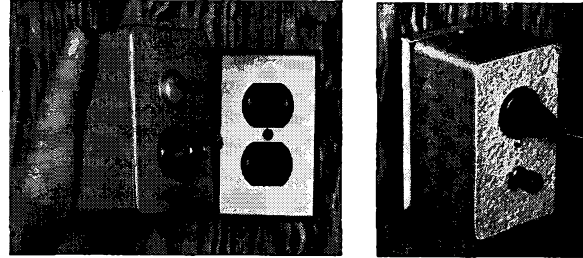
- Exclusive Sprague 3-terminal Network Feed-thru Capacitors
- Bypass V-H-F Currents Where Ordinary Capacitors are Ineffective
- Suppress TVI from Short-wave Transmitters, Diathermy Machines, Electronic Heating Apparatus, etc.
- Eliminate Interference caused by Line-conducted Radiation Between Neighboring TV Sets
- Install Leads in Series with Circuit Being Filtered and Ground the Case

μF	Amps.	WVDC	Dia. x Length	Cat. No.	List
.5	40	50	1 x 1 13/16	*48P18	\$3.80
.5	60	50	1 x 1 13/16	*48P100	6.25
.25	20	200	3/4 x 1 13/16	*48P10	2.60
.5	20	200	1 x 1 13/16	*48P14	3.15
.1	20	250(VAC)	1 1/16 x 1 13/16	*48P9	2.60
.1	20	400	1 1/16 x 1 13/16	*48P6	2.55
.1	20	400	1 1/16 x 1 13/16	†80P1	2.90
.002	15	600	1/4 x 1 3/8	46P12	2.15
.005	15	600	1/4 x 1 5/8	46P8	2.15
.01	20	600	7/16 x 1 1/4	47P6	2.35
.02	20	600	7/16 x 1 1/2	47P8	2.40
.1	20	600	1 1/16 x 1 13/16	*48P8	2.60
.1	20	600	1 1/16 x 1 13/16	*†80P3	2.95
.25	20	600	1 x 1 13/16	*48P12	2.75
.5	20	600	1 x 2 1/4	*48P16	3.50
.005	20	1000	7/16 x 1 1/4	47P12	2.40
.01	20	1000	7/16 x 1 1/2	47P13	2.60
.005	20	2500	1 x 1 1/16	47P14	2.90
.01	20	2500	1 x 1 1/16	47P15	3.10
.002	20	5000	1 x 1 1/16	47P16	3.20

\*Has female screw terminals

†Bulkhead mounting.

## TYPE F-400 MIRACLE FILTEROL®

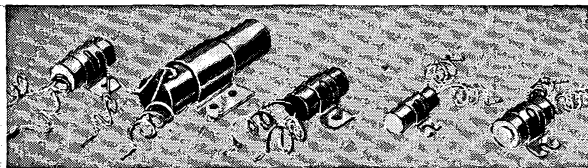


### A LINE FILTER THAT REALLY WORKS!

- Effectively Suppresses Radio Interference by Filtering Power Lines of Receivers and Appliances
- Maximum Noise Eliminating Efficiency because of Practically Zero Length of Ground Lead
- Plugs into Standard Duplex Wall Outlet—Captive Screw Fastens Filterol F-400 to Outlet for Safe, Secure Mounting
- Direct Wall-Mounting Provides Neat Installation—No Un-sightly Cord—Receiver or Appliance Plugs into Standard Outlet on Face of F-400
- Will Also Operate at Slightly Reduced Efficiency in Older Homes where Wiring is of Knob and Tube or 2-Conductor Non-Metallic Sheathed Cable Type by Using the External Grounding Post Provided for this Purpose
- Handsomely Finished in Tan Hammerloid Baked Enamel
- Rated at 5 Amperes, 125 Volts AC or DC

TYPE F-400 FILTEROL.....\$7.45 net

## TYPE IF FILTERS



IF-15    IF-11    IF-21    IF-S1    4F-37

**IF-15**—TRIPLE-SECTION FILTER for small motor-operated devices such as fans, drills, etc. designed to prevent shocks from discharge of filter capacitors.

**IF-11**—DUAL HIGH-CAPACITY FILTER designed for use on motors over 1 hp up to 220 volts ac-dc. Also used on high-current arcing devices.

**IF-21**—COMPACT DUAL FILTER for use on fractional horsepower motors with case grounded to motor frame. Also used across line terminals of motors.

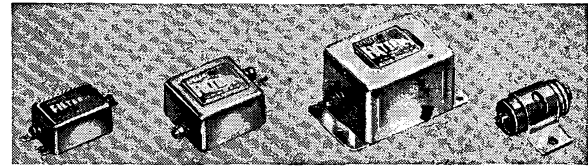
**IF-S1**—SINGLE SECTION 2-LEAD FILTER for use across make-and-break contacts, such as thermostats, circuit breakers, etc.

**IF-37**—3-SECTION DELTA-CONNECTED FILTER especially designed for fluorescent fixtures. Also used on governor-type motors. *UL approved.*

Cat. No.	Volts AC or DC	Dia. x Length	List
IF-15	220	1 x 2 3/16	\$2.60
IF-11	220	1 3/8 x 5 1/4	7.80
IF-21	220	1 x 2 3/16	1.75
IF-S1	220	3/4 x 2 1/16	1.15
IF-37	220	1 x 2"	2.25

All prices and sizes subject to change without notice.

## FILTEROL® FILTERS



FILTEROL 1    FILTEROL 2    FILTEROL 3    FILTEROL 4

**Filterol Types 1, 2, and 3**—Designed for connection in series with power supply lines to interference-producing devices . . . A 3-terminal network with the case as one terminal . . . The selected filter should have a rating higher than the continuous operating current of the offending device . . . A single Filterol connected to the high side of the line is usually sufficient . . . In severe cases a Filterol in each leg of the power line may be necessary . . . For three or four-wire systems, a Filterol in each wire is necessary.

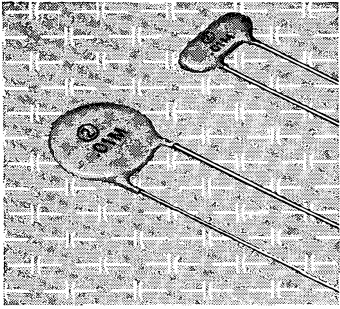
**Filterol Type 4**—A new, exclusive Sprague development incorporating a Sprague HYPASS® Capacitor . . . Provides exceptionally high attenuation at frequencies above 5 megacycles . . . Intended for small devices with continuous current ratings up to 20 amperes.

Cat. No.	Amps.	Volts AC or DC	Size	List
Filterol 1	1	115	7/8 x 1 1/4 x 1 1/4	\$13.50
Filterol 2	10	115	1 1/8 x 2 x 2	14.80
Filterol 3	35	115	1 1/8 x 2 3/8 x 3 3/8	27.40
Filterol 4	20	115	1" dia. x 1 13/16" long	3.05

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# SPRAGUE CAPACITORS

## CERA-MITE<sup>®</sup> CERAMIC CAPACITORS



- Tiny, Tough, Dependable In Every Application
- Low Self-Inductance Of Silvered Flat-plate Design Means Very High By-pass Efficiency In All TV Circuits
- Flat-plate Construction Permits Higher Self-resonant Frequency Than Tubular Ceramic Or Molded Mica Capacitors
- Tough Moisture-proof Coating Protects Against Short-circuiting And Assures Good Performance Under Severe Conditions Of Humidity And Vibration
- Cera-mite Capacitors Easily Fit Into Tight Spaces, Even Across Subminiature Tube Sockets
- Designed For 85°C (185°F) Continuous Operation

### GENERAL APPLICATION TYPES

- Excellent Where Temperature Coefficient Is Not Important, Such As By-pass and Coupling Applications
- Ideal For Replacing Older Types Of General Application Capacitors Such as Molded Micacs Tubular Ceramics, and Paper Tubulars

$\mu\mu\text{F}$	Cat. No.	List	$\mu\mu\text{F}$	Cat. No.	List	$\mu\mu\text{F}$	Cat. No.	List	$\mu\mu\text{F}$	Cat. No.	List	$\mu\mu\text{F}$	Cat. No.	List
<b>500 WVDC (plates)</b> Std. Tolerance: $\pm 20\%$			330	5GA-T33	\$.25	5.0	30GA-V50	\$.25	.0027	30GA-D27	\$.35	470	60GA-T47	\$.60
470	5GAB-T47*	\$.25	350	5GA-T35	.25	6.0	30GA-V60	.25	.003	30GA-D30	.35	500	60GA-T50	.70
.001 $\mu\text{F}$	5GAB-D10*	.25	360	5GA-T36	.25	6.8	30GA-V68	.25	.0033	30GA-D33	.35	560	60GA-T56	.70
.0022	5GAB-D22*	.25	390	5GA-T39	.25	7.5	30GA-V75	.25	.0039	30GA-D39	.40	680	60GA-T68	.70
.0047	5GAB-D47*	.30	400	5GA-T40	.25	8.2	30GA-V82	.25	.004	30GA-D40	.40	750	60GA-T75	.70
.01	5GAB-S10	.50	470	5GA-T47	.25	10	30GA-Q10	.25	.0047	30GA-D47	.40	820	60GA-T82	.70
.022	5GAB-S22	.40	500	5GA-T50	.25	12	30GA-Q12	.25	.005	30GA-D50	.40	.001 $\mu\text{F}$	60GA-D10	.90
.047	5GAB-S47	.70	560	5GA-T56	.25	15	30GA-Q15	.25	.006	30GA-D60	.55	.0012	60GA-D12	.90
.1	5GAB-P10	1.30	600	5GA-T60	.25	18	30GA-Q18	.25	.0068	30GA-D68	.55	.0015	60GA-D15	.90
.15	5GAB-P15	1.80	680	5GA-T68	.25	20	30GA-Q20	.25	.008	30GA-D80	.55	.0022	60GA-D22	1.25
*Axial leads			750	5GA-T75	.25	22	30GA-Q22	.25	.0082	30GA-D82	.65	.0025	60GA-D25	1.45
<b>1000 WVDC (discs)</b> Std. Tolerance: $\pm 20\%$			800	5GA-T80	.25	25	30GA-Q25	.25	.01	30GA-S10	.65	.0027	60GA-D27	1.45
5	5GA-V50	\$.25	820	5GA-T82	.25	27	30GA-Q27	.25	<b>6000 WVDC (discs)</b> Std. Tolerance: $\pm 20\%$					
6	5GA-V60	.25	.001 $\mu\text{F}$	5GA-D10	.25	30	30GA-Q30	.25	1.5	60GA-V15	\$.50	4.7	60GA-V47	.50
7.5	5GA-V75	.25	.0012	5GA-D12	.25	33	30GA-Q33	.25	4.7	60GA-V47	.50	6.8	60GA-V68	.50
8	5GA-V80	.25	.0013	5GA-D13	.25	39	30GA-Q39	.25	8.2	60GA-V82	.50	8.2	60GA-V82	.50
10	5GA-Q10	.25	.0015	5GA-D15	.25	47	30GA-Q47	.25	10	60GA-Q10	.50	10	60GA-Q10	.50
12	5GA-Q12	.25	.0016	5GA-D16	.25	50	30GA-Q50	.25	12	60GA-Q12	.50	12	60GA-Q12	.50
15	5GA-Q15	.25	.0018	5GA-D18	.25	56	30GA-Q56	.25	15	60GA-Q15	.50	15	60GA-Q15	.50
18	5GA-Q18	.25	.002	5GA-D20	.25	60	30GA-Q60	.25	18	60GA-Q18	.50	18	60GA-Q18	.50
20	5GA-Q20	.25	.0022	5GA-D22	.25	62	30GA-Q62	.25	20	60GA-Q20	.50	20	60GA-Q20	.50
22	5GA-Q22	.25	.0025	5GA-D25	.25	68	30GA-Q68	.25	22	60GA-Q22	.50	22	60GA-Q22	.50
25	5GA-Q25	.25	.0027	5GA-D27	.25	75	30GA-Q75	.25	25	60GA-Q25	.50	25	60GA-Q25	.50
27	5GA-Q27	.25	.003	5GA-D30	.25	82	30GA-Q82	.25	27	60GA-Q27	.50	27	60GA-Q27	.50
30	5GA-Q30	.25	.0033	5GA-D33	.25	100	30GA-T10	.25	30	60GA-Q30	.50	30	60GA-Q30	.50
33	5GA-Q33	.25	.0039	5GA-D39	.25	120	30GA-T12	.25	33	60GA-Q33	.50	33	60GA-Q33	.50
39	5GA-Q39	.25	.004	5GA-D40	.25	150	30GA-T15	.25	39	60GA-Q39	.50	39	60GA-Q39	.50
47	5GA-Q47	.25	.0043	5GA-D43	.25	180	30GA-T18	.25	47	60GA-Q47	.50	47	60GA-Q47	.50
50	5GA-Q50	.25	.0047	5GA-D47	.25	200	30GA-T20	.25	50	60GA-Q50	.50	50	60GA-Q50	.50
56	5GA-Q56	.25	.005	5GA-D50	.25	220	30GA-T22	.25	56	60GA-Q56	.50	56	60GA-Q56	.50
68	5GA-Q68	.25	.01	5GA-S10	.25	250	30GA-T25	.25	60	60GA-Q60	.50	60	60GA-Q60	.50
75	5GA-Q75	.25	.015	5GA-S15	.45	270	30GA-T27	.25	68	60GA-Q68	.50	68	60GA-Q68	.50
			.02	5GA-S20	.65	300	30GA-T30	.30	75	60GA-Q75	.50	75	60GA-Q75	.50
			<b>500 WVDC (discs)</b> Std. Tolerance: $\pm 20\%$			330	30GA-T33	.30	82	60GA-Q82	.50	82	60GA-Q82	.50
82	5GA-Q82	.25	.025 $\mu\text{F}$	5GA-S25	\$.65	390	30GA-T39	.30	100	60GA-T10	.50	100	60GA-T10	.50
91	5GA-Q91	.25	.04	5GA-S40	.65	400	30GA-T40	.30	120	60GA-T12	.50	120	60GA-T12	.50
100	5GA-T10	.25	.05	5GA-S50	.65	470	30GA-T47	.30	150	60GA-T15	.50	150	60GA-T15	.50
120	5GA-T12	.25	.1	5GA-P10	1.40	500	30GA-T50	.35	180	60GA-T18	.50	180	60GA-T18	.50
130	5GA-T13	.25				560	30GA-T56	.35	200	60GA-T20	.50	200	60GA-T20	.50
150	5GA-T15	.25				680	30GA-T68	.35	220	60GA-T22	.50	220	60GA-T22	.50
180	5GA-T18	.25				750	30GA-T75	.35	250	60GA-T25	.50	250	60GA-T25	.50
200	5GA-T20	.25				820	30GA-T82	.35	270	60GA-T27	.50	270	60GA-T27	.50
220	5GA-T22	.25				.001 $\mu\text{F}$	30GA-D10	.35	300	60GA-T30	.55	300	60GA-T30	.55
240	5GA-T24	.25				.0012	30GA-D12	.35	330	60GA-T33	.55	330	60GA-T33	.55
250	5GA-T25	.25				.0015	30GA-D15	.35	390	60GA-T39	.60	390	60GA-T39	.60
270	5GA-T27	.25				.002	30GA-D20	.35	400	60GA-T40	.60	400	60GA-T40	.60
300	5GA-T30	.25				.0022	30GA-D22	.35						
						.0025	30GA-D25	.35						
						1.5	30GA-V15	\$.25						
						3.3	30GA-V33	.25						
						4.7	30GA-V47	.25						

# SPRAGUE CAPACITORS

## CERA-MITE CERAMIC CAPACITORS, continued

### HIGH-K TYPES

- Designed for By-Pass and Coupling Applications Where Additional Capacitance Will Not Affect Circuit Operation
- Smallest Physical Size
- 5HK-S15 thru 5HK-P10, 5HK-2S20, **500 WVDC**, Capacitance Tolerance:  $\pm 80-20\%$
- All Other 5HK are **1000 WVDC**, Capacitance Tolerance: GMV

$\mu\text{F}$	Cat. No.	List	$\mu\text{F}$	Cat. No.	List
<b>SINGLE UNITS</b>					
.001	5HK-D10	\$.25	.030	5HK-S30*	\$.45
.0015	5HK-D15	.25	.04	5HK-S40	.45
.002	5HK-D20	.25	.05	5HK-S50	.45
.0022	5HK-D22	.25	.1	5HK-P10	1.30
.0025	5HK-D25	.25	<b>DUAL UNITS</b>		
.0033	5HK-D33	.25	2 x 470	5HK-2T47	.25
.004	5HK-D40	.25	2 x 800	5HK-2T80	.25
.0047	5HK-D47	.25	2 x .001	5HK-2D10	.25
.005	5HK-D50	.25	2 x .0015	5HK-2D15	.25
.0068	5HK-D68	.25	2 x .002	5HK-2D20	.25
.01	5HK-S10	.25	2 x .0022	5HK-2D22	.25
.015	5HK-S15	.25	2 x .004	5HK-2D40	.25
.02	5HK-S20	.25	2 x .0047	5HK-2D47	.25
.022	5HKS22*	.25	2 x .01	5HK-2S10	.45
.025	5HK-S25	.25	2 x .02	5HK-2S20	1.30

\*Available until present stock is exhausted

### TEMPERATURE-STABLE TYPES

- Used where minimum capacitance change with temperature is an important consideration
- Standard capacitance tolerance:  $\pm 10\%$  except 10TS-S15, 10TS-S20, 10TS-S30  $\pm 15\%$
- Rated at **1000 WVDC**

$\mu\text{F}$	Cat. No.	List	$\mu\text{F}$	Cat. No.	List	$\mu\text{F}$	Cat. No.	List
3.3	10TS-V33	\$.25	100	10TS-T10	\$.25	.001	10TS-D10	\$.25
5	10TS-V50	.25	120	10TS-T12	.25	.0012	10TS-D12	.25
6	10TS-V60	.25	130	10TS-T13	.25	.0013	10TS-D13	.25
6.8	10TS-V68	.25	150	10TS-T15	.25	.0015	10TS-D15	.25
7.5	10TS-V75	.25	180	10TS-T18	.25	.0016	10TS-D16	.25
8	10TS-V80	.25	200	10TS-T20	.25	.0018	10TS-D18	.25
10	10TS-Q10	.25	220	10TS-T22	.25	.0020	10TS-D20	.25
12	10TS-Q12	.25	240	10TS-T24	.25	.0022	10TS-D22	.25
15	10TS-Q15	.25	250	10TS-T25	.25	.0025	10TS-D25	.25
18	10TS-Q18	.25	270	10TS-T27	.25	.0027	10TS-D27	.25
20	10TS-Q20	.25	300	10TS-T30	.25	.0030	10TS-D30	.30
22	10TS-Q22	.25	330	10TS-T33	.25	.0033	10TS-D33	.25
25	10TS-Q25	.25	350	10TS-T35	.25	.0039	10TS-D39	.30
27	10TS-Q27	.25	360	10TS-T36	.25	.0040	10TS-D40	.35
30	10TS-Q30	.25	390	10TS-T39	.25	.0043	10TS-D43	.35
33	10TS-Q33	.25	400	10TS-T40	.25	.0047	10TS-D47	.30
39	10TS-Q39	.25	470	10TS-T47	.25	.0050	10TS-D50	.30
47	10TS-Q47	.25	500	10TS-T50	.25	.0056	10TS-D56	.40
50	10TS-Q50	.25	560	10TS-T56	.25	.0068	10TS-D68	.40
56	10TS-Q56	.25	600	10TS-T60	.25	.0075	10TS-D75	.55
68	10TS-Q68	.25	680	10TS-T68	.25	.01	10TS-S10	.55
75	10TS-Q75	.25	750	10TS-T75	.25	.015	10TS-S15	.70
82	10TS-Q82	.25	800	10TS-T80	.25	.02	10TS-S20	1.05
91	10TS-Q91	.25	820	10TS-T82	.25	.03	10TS-S30	1.20

### NPO TYPES

- Zero Temperature-coefficient Capacitors used Where Capacitance Change with Temperature is Undesirable
- Superior to Silvered-mica Types in Stability, High "Q", and Insulation Resistance
- Rated at **1000 WVDC**
- Standard Capacitance Tolerance of  $5\mu\text{F}$  and up:  $\pm 5\%$ . On  $4.7\mu\text{F}$  and below:  $\pm .25\mu\text{F}$
- Units listed below are discs

$\mu\text{F}$	Cat. No.	List	$\mu\text{F}$	Cat. No.	List
1	10TCC-V10	\$.25	30	10TCC-Q30	\$.25
1.2	10TCC-V12	.25	33	10TCC-Q33	.25
1.5	10TCC-V15	.25	39	10TCC-Q39	.25
1.8	10TCC-V18	.25	47	10TCC-Q47	.25
2.2	10TCC-V22	.25	50	10TCC-Q50	.25
2.7	10TCC-V27	.25	56	10TCC-Q56	.25
3.0	10TCC-V30	.25	68	10TCC-Q68	.25
3.3	10TCC-V33	.25	75	10TCC-Q75	.25
3.9	10TCC-V39	.25	82	10TCC-Q82	.25
4.7	10TCC-V47	.25	100	10TCC-T10	.25
5.0	10TCC-V50	.25	120	10TCC-T12	.25
5.6	10TCC-V56	.25	150	10TCC-T15	.25
6.8	10TCC-V68	.25	175	10TCC-T175	.25
8.2	10TCC-V82	.25	180	10TCC-T18	.25
10	10TCC-Q10	.25	200	10TCC-T20	.30
12	10TCC-Q12	.25	220	10TCC-T22	.30
15	10TCC-Q15	.25	270	10TCC-T27	.30
18	10TCC-Q18	.25	270	10TCC-T27	.30
20	10TCC-Q20	.25	300	10TCC-T30	.40
22	10TCC-Q22	.25	330	10TCC-T33	.45
25	10TCC-Q25	.25	390	10TCC-T39	.50
27	10TCC-Q27	.25			

### TEMPERATURE-COMPENSATING TYPES

- Eliminate oscillator drift in TV, f-m, v-h-f, and a-m receivers
- Negative Temperature Coefficient is 30 ppm/ $^{\circ}\text{C}$  for N030 types, 80 ppm/ $^{\circ}\text{C}$  for N080 types, 150 ppm/ $^{\circ}\text{C}$  for N150 types, 220 ppm/ $^{\circ}\text{C}$  for N220 types, 330 ppm/ $^{\circ}\text{C}$  for N330 types, 470 ppm/ $^{\circ}\text{C}$  for N470 types, and 750 ppm/ $^{\circ}\text{C}$  for N750 types.
- Rated at **1000 WVDC**
- Standard Capacitance Tolerance of  $5\mu\text{F}$  and up;  $\pm 5\%$ . On  $4.7\mu\text{F}$  and below:  $\pm .25\mu\text{F}$

$\mu\text{F}$	Cat. No.	List	$\mu\text{F}$	Cat. No.	List	$\mu\text{F}$	Cat. No.	List
<b>N030</b>			82	10TCM-Q82	\$.25	27	10TCN-Q27	\$.25
1	10TCM-V10	\$.25	100	10TCM-T10	.25	30	10TCN-Q30	.25
1.2	10TCM-V12	.25	120	10TCM-T12	.25	33	10TCN-Q33	.25
1.5	10TCM-V15	.25	150	10TCM-T15	.25	39	10TCN-Q39	.25
1.8	10TCM-V18	.25	175	10TCM-T175	.25	47	10TCN-Q47	.25
2.2	10TCM-V22	.25	180	10TCM-T18	.25	50	10TCN-Q50	.25
2.7	10TCM-V27	.25	200	10TCM-T20	.30	56	10TCN-Q56	.25
3.0	10TCM-V30	.25	220	10TCM-T22	.30	68	10TCN-Q68	.25
3.3	10TCM-V33	.25	270	10TCM-T27	.30	75	10TCN-Q75	.25
3.9	10TCM-V39	.25	300	10TCM-T30	.40	82	10TCN-Q82	.25
4.7	10TCM-V47	.25	330	10TCM-T33	.45	100	10TCN-T10	.25
5.0	10TCM-V50	.25	390	10TCM-T39	.50	120	10TCN-T12	.25
5.6	10TCM-V56	.25	<b>N080</b>			150	10TCN-T15	.25
6.8	10TCM-V68	.25	2.2	10TCN-V22	\$.25	175	10TCN-T175	.25
8.2	10TCM-V82	.25	2.7	10TCN-V27	.25	180	10TCN-T18	.25
10	10TCM-Q10	.25	3.0	10TCN-V30	.25	200	10TCN-T20	.30
12	10TCM-Q12	.25	3.3	10TCN-V33	.25	220	10TCN-T22	.30
15	10TCM-Q15	.25	3.9	10TCN-V39	.25	270	10TCN-T27	.30
18	10TCM-Q18	.25	4.7	10TCN-V47	.25	300	10TCN-T30	.30
20	10TCM-Q20	.25	5.0	10TCN-V50	.25	330	10TCN-T33	.40
22	10TCM-Q22	.25	5.6	10TCN-V56	.25	390	10TCN-T39	.50
25	10TCM-Q25	.25	6.8	10TCN-V68	.25	470	10TCN-T47	.50
27	10TCM-Q27	.25	8.2	10TCN-V82	.25	<b>N150</b>		
30	10TCM-Q30	.25	10	10TCN-Q10	.25	2.2	10TCP-V22	\$.25
33	10TCM-Q33	.25	12	10TCN-Q12	.25	2.7	10TCP-V27	.25
39	10TCM-Q39	.25	15	10TCN-Q15	.25	3.0	10TCP-V30	.25
47	10TCM-Q47	.25	18	10TCN-Q18	.25	3.3	10TCP-V33	.25
50	10TCM-Q50	.25	20	10TCN-Q20	.25	3.9	10TCP-V39	.25
56	10TCM-Q56	.25	22	10TCN-Q22	.25	4.7	10TCP-V47	.25
68	10TCM-Q68	.25	25	10TCN-Q25	.25	5.0	10TCP-V50	.25
75	10TCM-Q75	.25						

# SPRAGUE CAPACITORS

## CERA-MITE CERAMIC CAPACITORS, continued

### TEMPERATURE-COMPENSATING TYPES (Cont.)

$\mu\mu\text{F}$	Cat. No.	List	$\mu\mu\text{F}$	Cat. No.	List	$\mu\mu\text{F}$	Cat. No.	List	$\mu\mu\text{F}$	Cat. No.	List	$\mu\mu\text{F}$	Cat. No.	List	$\mu\mu\text{F}$	Cat. No.	List
<b>N150 (cont.)</b>			<b>N220</b>			<b>N33B</b>			<b>N470</b>			<b>N750</b>					
5.6	10TCP-V56	\$.25	3.0	10TCR-V30	\$.25	3.0	10TCS-V30	\$.25	3.0	10TCT-V30	\$.25	2.2	10TCU-V22*	\$.25			
6.8	10TCP-V68	.25	3.3	10TCR-V33	.25	3.3	10TCS-V33	.25	3.3	10TCT-V33	.25	3.3	10TCU-V33*	.25			
8.2	10TCP-V82	.25	3.9	10TCR-V39	.25	3.9	10TCS-V39	.25	3.9	10TCT-V39	.25	4.7	10TCU-V47	.25			
10	10TCP-Q10	.25	4.7	10TCR-V47	.25	4.7	10TCS-V47	.25	4.7	10TCT-V47	.25	5.0	10TCU-V50	.25			
12	10TCP-Q12	.25	5.0	10TCR-V50	.25	5.0	10TCS-V50	.25	5.0	10TCT-V50	.25	5.6	10TCU-V56	.25			
15	10TCP-Q15	.25	5.6	10TCR-V56	.25	5.6	10TCS-V56	.25	5.6	10TCT-V56	.25	6.8	10TCU-V68	.25			
18	10TCP-Q18	.25	6.8	10TCR-V68	.25	6.8	10TCS-V68	.25	6.8	10TCT-V68	.25	8.2	10TCU-V82	.25			
20	10TCP-Q20	.25	8.2	10TCR-V82	.25	8.2	10TCS-V82	.25	8.2	10TCT-V82	.25	10	10TCU-Q10	.25			
22	10TCP-Q22	.25	10	10TCR-Q10	.25	10	10TCS-Q10	.25	10	10TCT-Q10	.25	12	10TCU-Q12	.25			
25	10TCP-Q25	.25	12	10TCR-Q12	.25	12	10TCS-Q12	.25	12	10TCT-Q12	.25	15	10TCU-Q15	.25			
27	10TCP-Q27	.25	15	10TCR-Q15	.25	15	10TCS-Q15	.25	15	10TCT-Q15	.25	18	10TCU-Q18	.25			
30	10TCP-Q30	.25	18	10TCR-Q18	.25	18	10TCS-Q18	.25	18	10TCT-Q18	.25	20	10TCU-Q20	.25			
33	10TCP-Q33	.25	20	10TCR-Q20	.25	20	10TCS-Q20	.25	20	10TCT-Q20	.25	22	10TCU-Q22	.25			
39	10TCP-Q39	.25	22	10TCR-Q22	.25	22	10TCS-Q22	.25	22	10TCT-Q22	.25	25	10TCU-Q25	.25			
47	10TCP-Q47	.25	25	10TCR-Q25	.25	25	10TCS-Q25	.25	25	10TCT-Q25	.25	27	10TCU-Q27	.25			
50	10TCP-Q50	.25	27	10TCR-Q27	.25	27	10TCS-Q27	.25	27	10TCT-Q27	.25	30	10TCU-Q30	.25			
56	10TCP-Q56	.25	30	10TCR-Q30	.25	30	10TCS-Q30	.25	30	10TCT-Q30	.25	33	10TCU-Q33	.25			
68	10TCP-Q68	.25	33	10TCR-Q33	.25	33	10TCS-Q33	.25	33	10TCT-Q33	.25	39	10TCU-Q39	.25			
75	10TCP-Q75	.25	39	10TCR-Q39	.25	39	10TCS-Q39	.25	39	10TCT-Q39	.25	47	10TCU-Q47	.25			
82	10TCP-Q82	.25	47	10TCR-Q47	.25	47	10TCS-Q47	.25	47	10TCT-Q47	.25	50	10TCU-Q50	.25			
100	10TCP-T10	.25	50	10TCR-Q50	.25	50	10TCS-Q50	.25	50	10TCT-Q50	.25	56	10TCU-Q56	.25			
120	10TCP-T12	.25	56	10TCR-Q56	.25	56	10TCS-Q56	.25	56	10TCT-Q56	.25	68	10TCU-Q68	.25			
150	10TCP-T15	.25	68	10TCR-Q68	.25	68	10TCS-Q68	.25	68	10TCT-Q68	.25	75	10TCU-Q75	.25			
175	10TCP-T175	.25	75	10TCR-Q75	.25	75	10TCS-Q75	.25	75	10TCT-Q75	.25	82	10TCU-Q82	.25			
180	10TCP-T18	.25	82	10TCR-Q82	.25	82	10TCS-Q82	.25	82	10TCT-Q82	.25	100	10TCU-T10	.25			
200	10TCP-T20	.30	100	10TCR-T10	.25	100	10TCS-T10	.25	100	10TCT-T10	.25	120	10TCU-T12	.25			
220	10TCP-T22	.30	120	10TCR-T12	.25	120	10TCS-T12	.25	120	10TCT-T12	.25	150	10TCU-T15	.25			
270	10TCP-T27	.30	150	10TCR-T15	.25	150	10TCS-T15	.25	150	10TCT-T15	.25	175	10TCU-T175	.25			
300	10TCP-T30	.30	175	10TCR-T175	.25	175	10TCS-T175	.25	175	10TCT-T175	.25	180	10TCU-T18	.28			
330	10TCP-T33	.40	180	10TCR-T18	.25	180	10TCS-T18	.25	180	10TCT-T18	.25	200	10TCU-T20	.25			
390	10TCP-T39	.45	200	10TCR-T20	.25	200	10TCS-T20	.25	200	10TCT-T20	.25	220	10TCU-T22	.25			
470	10TCP-T47	.50	220	10TCR-T22	.25	220	10TCS-T22	.25	220	10TCT-T22	.25	270	10TCU-T27	.25			
			270	10TCR-T27	.30	270	10TCS-T27	.30	270	10TCT-T27	.25	300	10TCU-T30	.25			
			300	10TCR-T30	.30	300	10TCS-T30	.30	300	10TCT-T30	.30	330	10TCU-T33	.25			
			330	10TCR-T33	.30	330	10TCS-T33	.40	330	10TCT-T33	.30	390	10TCU-T39	.30			
			390	10TCR-T39	.40	390	10TCS-T39	.40	390	10TCT-T39	.40	470	10TCU-T47	.40			
			470	10TCR-T47	.50	470	10TCS-T47	.45	470	10TCT-T47	.45	560	10TCU-T56	.45			
			560	10TCR-T56	.50	560	10TCS-T56	.50	560	10TCT-T56	.45	680	10TCU-T68	.45			

\*Available until present stock is exhausted

#### DISC CERAMICS FOR AC APPLICATIONS

- Rated at 125 VAC
- Standard Tolerance  $\pm 20\%$
- For AC Line Bypass Application—Meets Underwriters Laboratory Requirements. Unlike Standard DC Rated Discs.

$\mu\text{F}$	Cat. No.	List	$\mu\text{F}$	Cat. No.	List
.001	125L-D10	\$.25	470	125M-T47	\$.30
.0015	125L-D15	.25	.001	125M-D10	.30
.002	125L-D20	.25	.0015	125M-D15	.30
.0047	125L-D47	.30	.002	125M-D20	.30
.005	125L-D50	.30	.0047	125M-D47	.30
.01	125L-S10	.30	.005	125M-D50	.30
.015	125L-S15*	.50	.01	125M-S10	.40
.02	125L-S20	.50	.02	125M-S20	.40
2 x .005	125L-2D50	.50			
2 x .01	125L-2S10	.50			

\*Available until present stock is exhausted

#### DISC CERAMICS FOR BUFFER APPLICATIONS

- Rated at 2000 WVDC
- Std. Tolerance  $\pm 20\%$

$\mu\text{F}$	Cat. No.	List
.001	BL-D10	\$.35
.002	BL-D20	.35
.003	BL-D30	.35
.004	BL-D40	.35
.005	BL-D50	.35
.006	BL-D60	.35
.007	BL-D70	.35
.0075	BL-D75	.35
.008	BL-D80	.35
.01	BL-S10	.40

#### MINIATURIZED DISC TYPES FOR TRANSISTORIZED CIRCUITRY

Coupling and Bypass

- Std. Tolerance  $\pm 20\%$

$\mu\text{F}$	Volts	Cat. No.	List
.005	50	TG-D50	\$.25
.01	50	TG-S10	.25
.02	50	TG-S20	.25
.025	50	TG-S25	.25
.03	50	TG-S30	.25
.05	50	TG-S50	.50
.1	50	TG-P10	.65

#### ● High-K Type

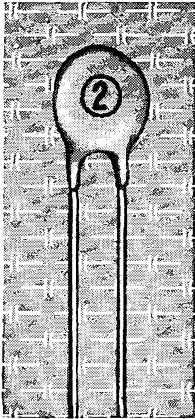
$\mu\text{F}$	Volts	Cat. No.	List
.005	200	TH-D50	.25
.01	200	TH-S10	.50
.02	200	TH-S20	.25
.025	200	TH-S25	.25
.03	200	TH-S30	.30
.05	200	TH-S50	.45
.1	200	TH-P10	1.30

#### TV YOKE CAPACITORS

- 30 TCY rated at 3000 WVDC
- 50 TCY rated at 5000 WVDC
- Std. Tolerance  $\pm 10\%$

$\mu\mu\text{F}$	Cat. No.	List
50	30TCY-Q50	\$.25
75	30TCY-Q75	.25
100	30TCY-T10	.25
135	30TCY-T135	.25
150	30TCY-T15	.25
180	30TCY-T18	.25
50	50TCY-Q50	.45
75	50TCY-Q75	.45
100	50TCY-T10	.45
135	50TCY-T135	.50
150	50TCY-T15	.50
180	50TCY-T18	.50

# SPRAGUE CAPACITORS

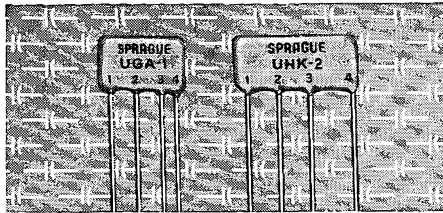


## HYPERCON® CERAMIC DISCS

- Ultra-miniature ceramic discs ideal for use in transistorized circuitry
- Designed for by-pass and coupling applications but particularly well-suited for any low voltage use where high capacitance and low power factor are important considerations
- Superior to electrolytic capacitors of similar capacitance values because of the very low power factor of Hypercon Capacitors
- Capacitance Tolerance: + 80 - 20%

μF	Cat. No.	List
<b>3 VOLTS D-C</b>		
.1	HY120	\$.65
.22	HY125	.40
.47	HY130	.40
1.0	HY135	.50
2.2	HY150	.65
<b>12 VOLTS D-C</b>		
.047	HY310	.25
.1	HY320	.25
.22	HY325	.40
.33	HY327	.50
.47	HY330	.60
<b>25 VOLTS D-C</b>		
.01	HY520	.35
.022	HY525	.40
.033	HY530	.45
.047	HY535	.50
.1	HY550	.75

## "UNIVERSAL" CERAMIC CAPACITORS



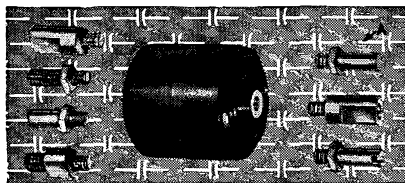
- Another EXCLUSIVE Sprague Development Designed for the Convenience of Dealers and Service Technicians
- Intended for Field or Shop Use as Replacements for Conventional Capacitors Which Cannot Be Immediately Obtained

- These Remarkable New Units are Ceramic Plate Capacitors with four leads. By Using Certain Leads for Terminals, Soldering Certain Leads Together, and Cutting Off Certain Leads, Many Ratings May Be Obtained
- UGA-1 and UGA-2 Are General Application Types Intended for Bypass and Coupling Applications. Ideal for Replacing Older G-A Types, such as Molded Micacs, Tubular Ceramics, Paper Tubulars
- UHK-1 and UHK-2 Are High-K Types for Use Where Minimum Capacitance is Required. Can Also Be Used for Bypass and Coupling Where Additional Capacitance Is Not Important
- "Universal" Ceramics Come Complete With Simple Instructions on How To Make Up Desired Ratings

"UNIVERSAL" CERAMICS CAN BE QUICKLY CONVERTED TO RATINGS (μF) SHOWN IN TABLE BELOW

UGA-1	UGA-2	UHK-1	UHK-2
.0004	.0006		
.00047	.00068	.001	.0025
.0005	.00075		
.00056	.00082	.0015	.0033
.0006	.001	.002	.004
.00068	.0012		
.00075	.0013	.0022	.0047
.0008	.0015		
.0008	.0016	.0025	.005
.00082	.0018		
.001	.002	.0033	.0068
.0012	.0022		
.0013	.0025	.004	.01
.0013	.0027		

Cat. No.	Type	Ratings Available	Capacitance (Range μF)	Tolerance	WVDC	L x W x T	List
UGA-1	G-A	12	.0004 to .0013	± 20%	500	25/32 x 5/8 x 5/32	\$.50
UGA-2	G-A	15	.0006 to .0027	± 20%	500	1 1/8 x 5/8 x 7/32	.60
UHK-1	High-K	7	.001 to .004	gmV	500	25/32 x 5/8 x 5/32	.50
UHK-2	High-K	8	.0025 to .015	gmV	500	1 1/8 x 5/8 x 5/32	.60



## HIGH-VOLTAGE DOORKNOB CERAMICS

- Capacitor Body has Female Threads for Interchangeable Screw-in Terminals.
- Molded in Non-Flammable, Moisture-resistant, Thermosetting Plastic.

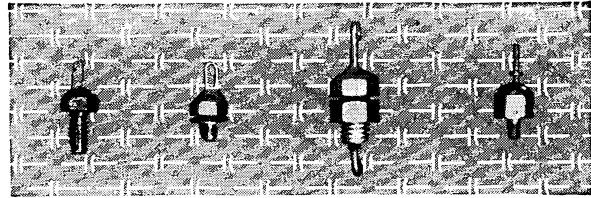
- Molded Guard Rings Lengthen Surface Creepage Path.
- 20DK-T5 Comes Complete with 7 Terminals, as illustrated. (Packaged 2 per plastic box, with 14 terminals.)
- 30DK-T5 is Supplied with 2 Terminals, as per Style Marked "A".

μμF	KV	Diam. x Length	Cat. No.	List
500	20	1 x 3 1/2	20DK-T5	\$2.75
500	30	1 1/16 x 1 1/4	30DK-T5	4.00

# SPRAGUE CAPACITORS

## BUTTONHEAD CERAMICS

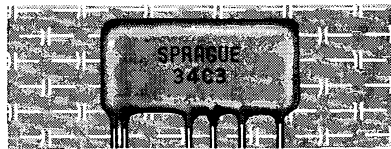
μF	Cap. Tol.	Cat. No.	List
47	±20%	BH-105	\$.60
100	±20%	BH-110	.60
220	±20%	BH-115	.65
470	GMV	BH-120	.60
1000	GMV	BH-140	.60
47	±20%	BH-205	.65
100	±20%	BH-210	.65
220	±20%	BH-215	.75
470	GMV	BH-220	.65
680	GMV	BH-225	.75
1000	GMV	BH-240	.65
47	±20%	BH-305	1.00
100	±20%	BH-310	1.00
470	±20%	BH-320	1.00
470	GMV	BH-321	1.00
1000	GMV	BH-340	1.00
47	±20%	BH-405	.75
100	±20%	BH-410	.75
470	GMV	BH-420	.75
1000	GMV	BH-440	.75



BH-105 Series      BH-205 Series      BH-305 Series      BH-405 Series

- Designed for u-h-f TV Receivers and Electronic Equipment
- Flat Disc Design Means Low Self-inductance and High Self-Resonant Frequency—Superior to Similar Units using Tubular Ceramic Elements
- Capacitor Element Sealed in Top of Unit with Plastic Resin
- BH-305 series are Feed-Thru Capacitors Intended for Filtering Leads thru Chassis—have 12-28 Double-Flatted Screw
- Stand-off Capacitors for By-pass Applications: BH-105 series has Self-tapping No. 6-32 Thread, the BH-205 series has Standard No. 6-32 Machine Screw Thread with Captive Lock-washer, and the BH-405 series has No. 3-48 Thread
- All Screw-mounting Types Have Hexagon Heads
- Units Listed Here are Rated at **500 WVDC**

## BULPLATE® MULTIPLE CERAMIC CAPACITORS

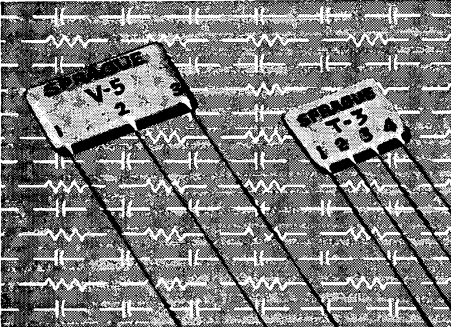


- These Rugged Units Combine in One Compact Assembly All the Capacitors Used in One or More Stages of a Radio Circuit
- Fit Tight Spaces in Miniature Sets
- Rated at **500 WVDC**, 1000 VDC Test

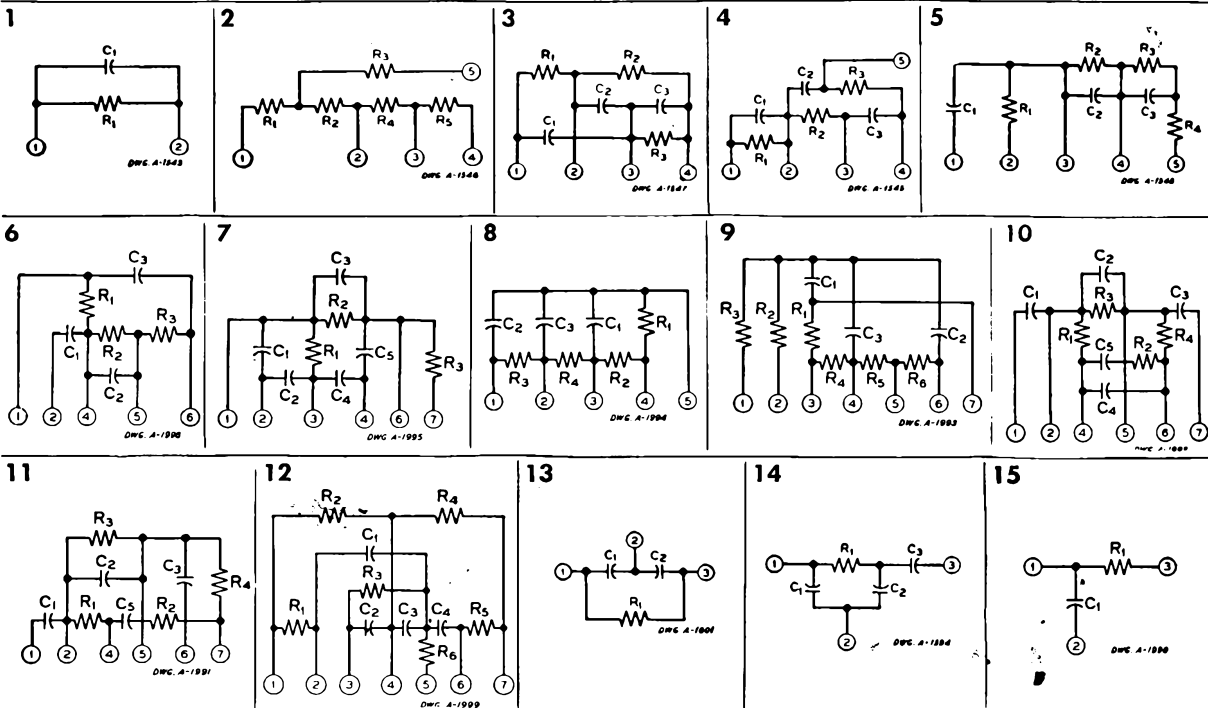
<p>Cat. No. 34C1      List, \$.75</p>	<p>Cat. No. 34C2      List, \$.90</p>	<p>Cat. No. 34C3      List, \$.75</p>	<p>Cat. No. 34C4      List, \$.90</p>
<p>Cat. No. 34C5      List, \$.75</p>	<p>Cat. No. 34C6      List \$ .65</p>	<p>Cat. No. 34C8      List, \$.90</p>	<p>Cat. No. 38C16      List, \$.75</p>
<p>Cat. No. 34C17      List, \$.65</p>	<p>Cat. No. 34C18      List, \$.75</p>	<p>Cat. No. 34C19      List, \$.75</p>	<p>Cat. No. 34C36A      List, \$.85</p>

# SPRAGUE PRINTED CIRCUITS

## BULPLATE® and MULTI-COMP® PRINTED CIRCUITS



- Bulplates (rectangular plates) and Multi-comps (circular discs) are especially designed to save space and reduce assembly time
- Completed units are protected by a tough moisture-proof coating
- Maximum voltage to be applied across these units is 250 volts d-c, except on D-1 which is rated at 100 volts d-c
- Combinations of resistors and capacitors of maximum compactness
- Types ACI-1, ACI-2, ACI-3, ACI-4, PRC-1, PRC-3, PRC-4, PRC-5, PRC-6, V-14, and V-15 are Multi-comp disc-type units—All others are Bulplate rectangular plates
- Integral connections are "printed" and brought out to external leads which are anchored to the basic ceramic plate



### ANTENNA-CHASSIS ISOLATION

Fig.	C <sub>1</sub> (μF)	R <sub>1</sub> (MΩ)	Cat. No.	List Price
1	470	.2 - 1.0	ACI-1	\$.45
1	4700	.75 - 1.5	ACI-2	.60
1	1000	.75 - 1.5	ACI-3	.70
1	5000	.2 - 1.0	ACI-4	.60
1	.001 μF	330 K	ACI-8	.55

### PHASE COMPARATOR

Fig.	C <sub>1</sub> (μF)	C <sub>2</sub> (μF)	C <sub>3</sub> (μF)	R <sub>1</sub> (KΩ)	R <sub>2</sub> (KΩ)	R <sub>3</sub> (KΩ)	R <sub>4</sub> (KΩ)	Cat. No.	List Price
5	82	100	1000	680	680	4700	200	C-1	\$1.25
3	1000	150	150	100	100	100	—	C-2	1.25
4	180	150	150	680	390	8.2	—	C-3	1.35
5	68	120	1000	100	680	4700	220	C-4	1.40
5	82	200	1500	100	680	4700	220	C-5	1.55

Fig.	C <sub>1</sub> (μF)	C <sub>2</sub> (μF)	C <sub>3</sub> (μF)	C <sub>4</sub> (μF)	C <sub>5</sub> (μF)	R <sub>1</sub> (KΩ)	R <sub>2</sub> (KΩ)	R <sub>3</sub> (KΩ)	R <sub>4</sub> (KΩ)	R <sub>5</sub> (KΩ)	R <sub>6</sub> (KΩ)	Cat. No.	List Price
6	82	200	.003	—	—	150	680	1M	—	—	—	C-6	\$1.45
7	82	100	100	—	—	330	1M	1M	—	—	—	C-7	1.85
8	100	.01 μF	.002	.002 μF	.002	180	180	1M	22	—	—	C-8	2.10
9	330	330	220	—	—	1	120	68	8.2	8.2	1.5	C-9	2.20
10	82	220	.001	3900	.05	150	68	680	1.2M	—	—	C-10	2.70
11	82	220	.001	—	.05	150	82	680	1.2M	—	—	C-11	2.70
12	300	1000	300	300	—	1.5	6.8	68	6.8	1000	68	C-12	2.00

### DIODE FILTER

Fig.	C <sub>1</sub> (μF)	C <sub>2</sub> (μF)	C <sub>3</sub> (μF)	R <sub>1</sub> (KΩ)	Cat. No.	List Price
13	100	100	—	47	D-1	\$.70
13	150	150	—	47	D-2	.70
13	50	50	—	47	D-3	.70
13	100	100	—	100	D-4	.70
14	330	680	.01	100	D-5	1.25
15	100	—	—	47	D-7	.65
16	.001 μF	.004 μF	.01	22	D-8	1.10

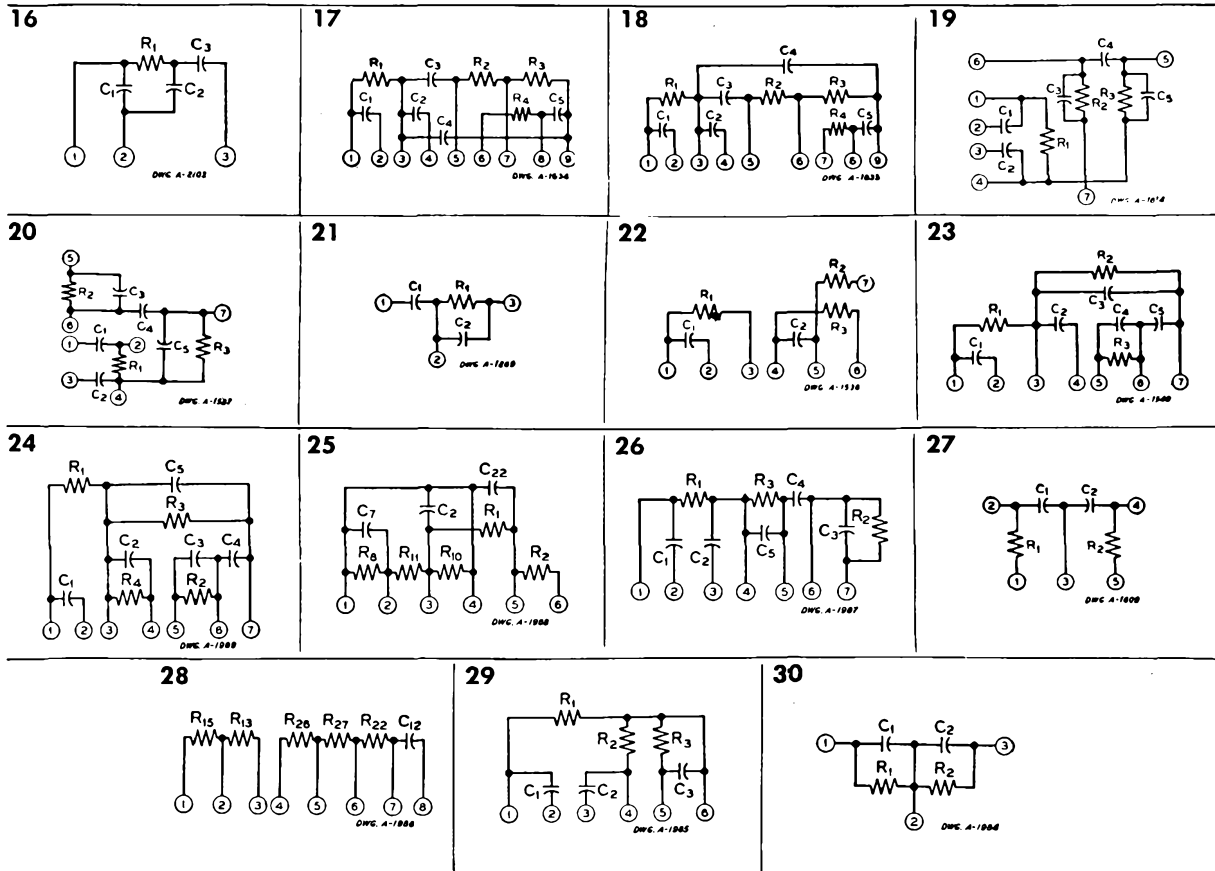
### AUTOMATIC GAIN CONTROL

Fig.	R <sub>1</sub> (KΩ)	R <sub>2</sub> (KΩ)	R <sub>3</sub> (KΩ)	R <sub>4</sub> (KΩ)	R <sub>5</sub> (KΩ)	Cat. No.	List Price
2	71.2	126	389	82	820	AGC-1	\$1.25



# SPRAGUE PRINTED CIRCUITS

## BULPLATE and MULTI-COMP PRINTED CIRCUITS, continued



### DETECTOR PENTODE COUPLING

Fig.	C <sub>1</sub> (μF)	C <sub>2</sub> , C <sub>3</sub> (μμF)	C <sub>4</sub> (μF)	C <sub>5</sub> (μF)	R <sub>1</sub> (MΩ)	R <sub>2</sub> (MΩ)	R <sub>3</sub> (MΩ)	R <sub>4</sub> (MΩ)	Cat. No.	List Price
17	.002	150	.01	.005	10	4.7	1.0	3.3	DP-1	\$2.00
17	.002	150	.01	.005	4.7	4.7	1.0	2.2	DP-2	2.00
18	.005	150	.01	.0005	10	4.7	1.0	3.3	DP-3	2.00

### DECOUPLING FILTER

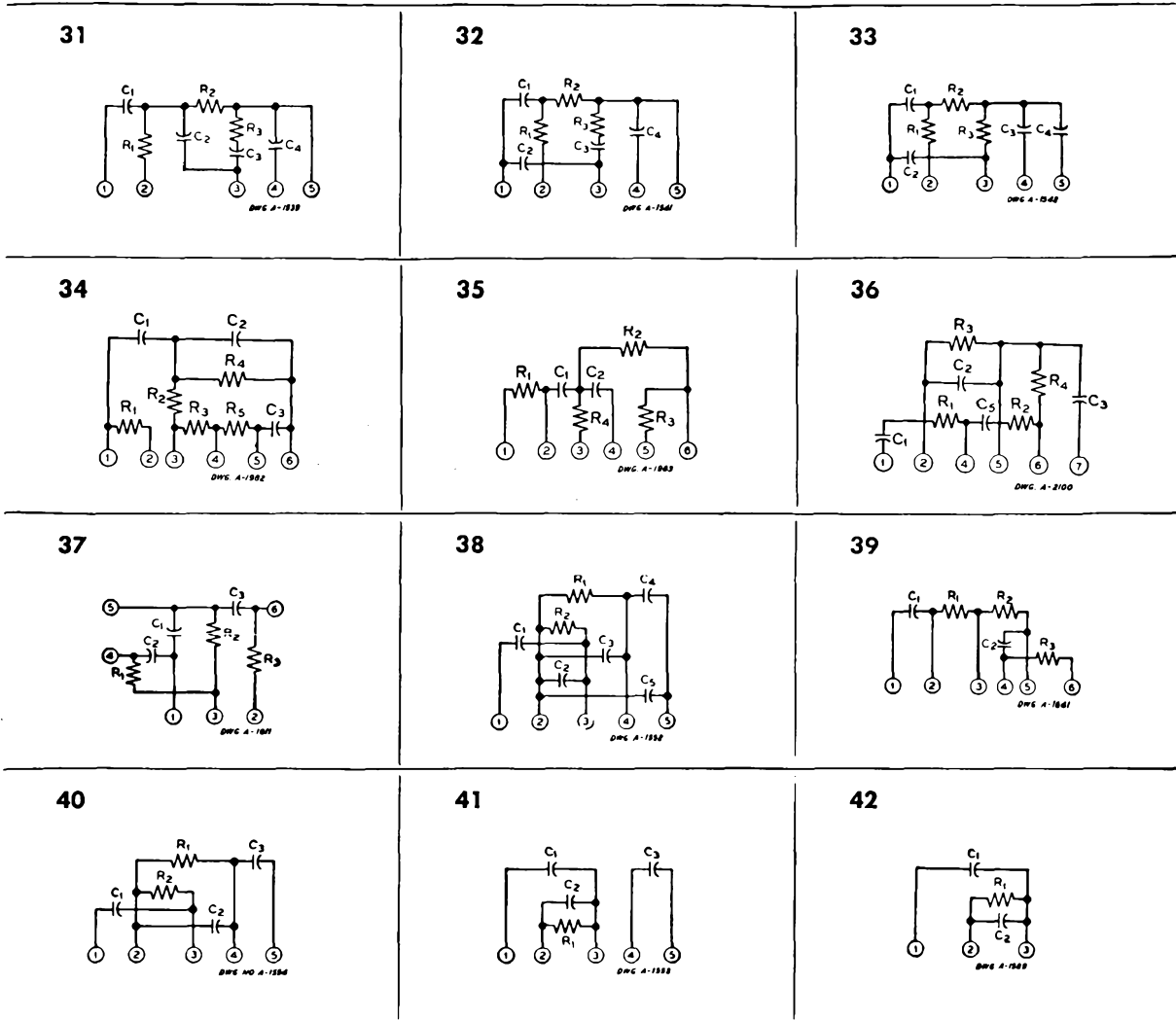
Fig.	C <sub>1</sub> (μF)	C <sub>2</sub> (μF)	C <sub>3</sub> (μF)	C <sub>12</sub> (μF)	R <sub>1</sub>	R <sub>2</sub>	R <sub>3</sub>	R <sub>13</sub>	R <sub>16</sub>	R <sub>22</sub>	R <sub>26</sub>	R <sub>27</sub>	Cat. No.	List Price
27	.0047	.0047	—	—	1000	1000	—	—	—	—	—	—	F-1	\$1.00
27	.0047	.0047	—	—	220	820	—	—	—	—	—	—	F-2	1.00
28	—	—	—	.01	—	—	—	6.8K	470K	2.2M	12K	120	F-3	1.85
29	.001	.001	.0033	—	100K	100K	4.7M	—	—	—	—	—	F-4	1.40
30	.0027	.0027	—	—	22K	22K	—	—	—	—	—	—	F-5	.60

### DETECTOR TRIODE COUPLING

Fig.	C <sub>1</sub> (μF)	C <sub>2</sub> (μμF)	C <sub>3</sub> (μμF)	C <sub>4</sub> (μF)	C <sub>5</sub> (μμF)	C <sub>7</sub> (μF)	C <sub>22</sub> (μF)	R <sub>1</sub> (MΩ)	R <sub>2</sub> (KΩ)	R <sub>3</sub> (KΩ)	R <sub>4</sub> (KΩ)	R <sub>6</sub>	R <sub>8</sub>	R <sub>10</sub>	R <sub>11</sub>	Cat. No.	List Price
19	.0022	220	220	.0047	220	—	—	6.8	470	470	—	—	—	—	—	DT-1	\$1.50
19	.005	220	220	.005	220	—	—	6.8	470	470	—	—	—	—	—	DT-2	1.50
19	.002	220	500	.005	500	—	—	6.8	470	470	—	—	—	—	—	DT-3	1.50
19	.002	220	250	.005	250	—	—	6.8	470	470	—	—	—	—	—	DT-4	1.50
19	.005	220	250	.005	250	—	—	6.8	470	470	—	—	—	—	—	DT-5	1.50
19	.005	220	250	.005	250	—	—	10	470	470	—	—	—	—	—	DT-6	1.50
19	.005	220	125	.005	250	—	—	6.8	470	470	—	—	—	—	—	DT-7	1.55
23	.002	400	220	.00022	5000	—	—	6.8	470	470	—	—	—	—	—	DT-8	1.55
20	.002	400	220	.005	220	—	—	6.8	470	470	—	—	—	—	—	DT-9	1.25
22	.005	5000	—	—	—	—	—	6.8	470	470	—	—	—	—	—	DT-10	1.70
21	.01	50	—	—	—	—	—	4.7	—	—	—	—	—	—	—	DT-11	1.25
23	.002	400	220	.005	220	—	—	6.8	470	470	—	—	—	—	—	DT-12	1.40
24	.002	400	220	.005	220	—	—	6.8	470	470	575	—	—	—	—	DT-13	1.50
25	—	.004μF	—	—	—	.005	.003	1.5K	150	—	—	2.2M	10M	4.7M	10M	DT-14	2.45
26	.005	220	250	.005	250	—	—	6.8	470	470	—	—	—	—	—	DT-15	1.60

# SPRAGUE PRINTED CIRCUITS

## BULPLATE and MULTI-COMP PRINTED CIRCUITS, continued



### HORIZONTAL NETWORK

Fig.	C <sub>1</sub> (μF)	C <sub>2</sub> (μF)	C <sub>3</sub> (μF)	C <sub>4</sub> (μF)	C <sub>5</sub> (μF)	R <sub>1</sub> (KΩ)	R <sub>2</sub> (KΩ)	R <sub>3</sub> (KΩ)	R <sub>4</sub>	R <sub>5</sub>	Cat. No.	List Price
31	.001	.0015	390	.003	—	10	39	5.6	—	—	HN-1	\$1.75
32	.001	.002	390	.003	—	15	39	5.6	—	—	HN-2	1.70
33	.001	.001	390	.003	—	8.2	39	8.2	—	—	HN-3	1.70
34	.002	220μF	27	—	—	56	3.3M	560	470K	56K	HN-5	1.85
35	100μF	.005	—	—	—	560	470	220	1K	—	HN-6	1.50
36	82μF	220μF	.001μF	—	.05	150	82	680	1.2M	—	HN-7	2.70

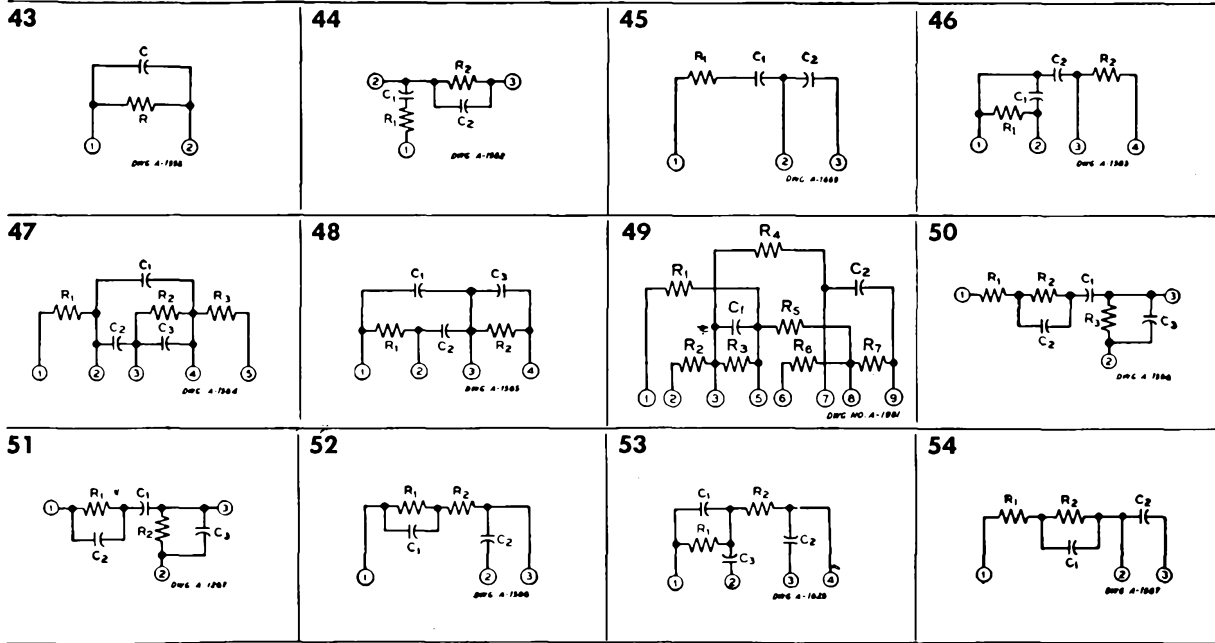
### PENTODE COUPLING

Fig.	C <sub>1</sub> (μF)	C <sub>2</sub> (μF)	C <sub>3</sub> (μF)	C <sub>4</sub> (μF)	R <sub>1</sub> (MΩ)	R <sub>2</sub> (MΩ)	R <sub>3</sub> (MΩ)	Cat. No.	List Price
37	47	.0022	.0047	—	4.7	1.0	2.2	P-1	\$1.60
37	100	.0047	.0047	—	4.7	1.0	2.2	P-2	1.60
37	100	.005	.002	—	4.7	1.0	2.2	P-3	1.60
38	5000	.00047	.00047	.003	1.5	10	—	P-4	1.60
39	6800	.01	—	—	6.8	1.0	.47	P-5	1.00
40	5000	.001	.003	—	.39	10	—	P-6	1.65
41	5000	.00033	.003	—	10	—	—	P-7	1.50
42	5000	.00035	—	—	10	—	—	P-8	1.05

All prices and sizes subject to change without notice.

# SPRAGUE PRINTED CIRCUITS

## BULPLATE and MULTI-COMP PRINTED CIRCUITS, continued



PARALLEL RESISTOR-CAPACITOR				
Fig.	C <sub>1</sub> (μF)	R <sub>1</sub> (KΩ)	Cat. No.	List Price
43	56	47	PRC-1	\$.45
43	330	220	PRC-2	.50
43	470	470	PRC-3	.40
43	800	22	PRC-4	.40
43	330	150	PRC-5	.40
43	500	68	PRC-6	.40
43	150	15	PRC-7	.40
43	.0015μF	4.7M	PRC-8	.45
43	100	1.2M	PRC-9	.40
43	100	22M	PRC-10	.45
43	25	100	PRC-11	.40
43	15	68	PRC-12	.50
43	.001μF	3.3	PRC-13	.40
43	.0047μF	470	PRC-14	.40
43	330	1500	PRC-15	.45

PARALLEL RESISTOR-CAPACITOR Cont.				
Fig.	C <sub>1</sub> (μF)	R <sub>1</sub> (KΩ)	Cat. No.	List Price
43	220	2.2	PRC-16	\$.45
43	.0045μF	6.8	PRC-17	.45
43	.01μF	82	PRC-18	.80
43	1500	1.75— 3.25M	PRC-19	.85

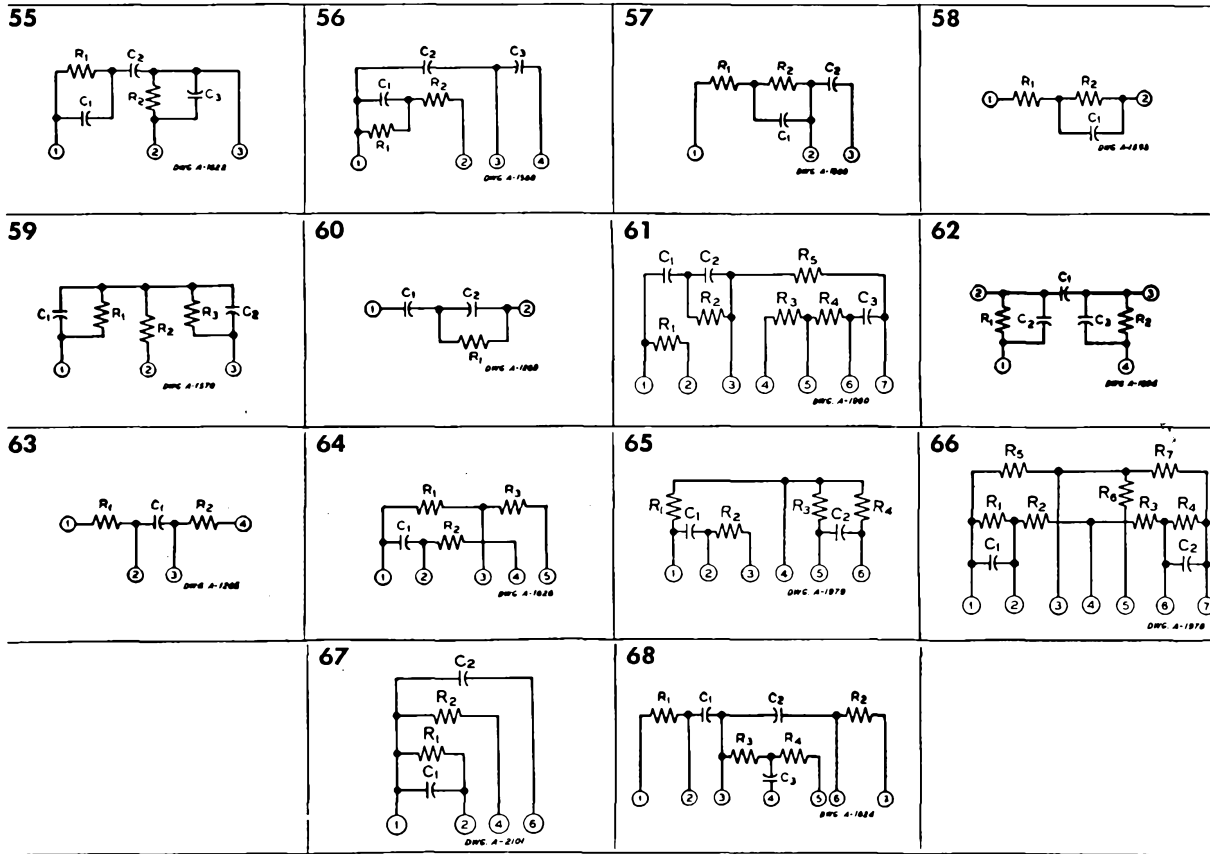
RETRACE SUPPRESSION						
Fig.	C <sub>1</sub> (μF)	C <sub>2</sub> (μF)	R <sub>1</sub> (KΩ)	R <sub>2</sub> (KΩ)	Cat. No.	List Price
44	.005	.01	10	1000	RS-1	\$1.30
44	.005	.002	10	1000	RS-2	1.30
44	.01	.01	2.7	56	RS-3	1.30
45	.01	.01	10	—	RS-4	1.20
44	.002	.005	10	1M	RS-5	1.20
44	.002	.005	10	330	RS-6	1.20

SOUND I-F												
Fig.	C <sub>1</sub> (μF)	C <sub>2</sub> (μF)	C <sub>3</sub> (μF)	R <sub>1</sub> (KΩ)	R <sub>2</sub> (KΩ)	R <sub>3</sub>	R <sub>4</sub>	R <sub>5</sub>	R <sub>6</sub>	R <sub>7</sub> (KΩ)	Cat. No.	List Price
46	5000	5000	—	150	220	—	—	—	—	—	SI-1	\$1.65
46	5000	2000	—	330	27	—	—	—	—	—	SI-2	1.30
47	470	5	5	47	33	470	—	—	—	—	SI-3	1.25
48	470	470	1500	470	22M	—	—	—	—	—	SI-4	1.50
49	.02μF	.05μF	—	100	120	1500	560	9100	1200	39K	SI-7	3.40

SYNC TAKEOFF										
Fig.	C <sub>1</sub> (μF)	C <sub>2</sub> (μF)	C <sub>3</sub> (μF)	R <sub>1</sub> (KΩ)	R <sub>2</sub> (KΩ)	R <sub>3</sub> (KΩ)	R <sub>4</sub>	R <sub>5</sub>	Cat. No.	List Price
50	.01	.00027	25	10	330	2200	—	—	ST-1	\$1.50
50	.01	.00027	25	10	220	2200	—	—	ST-2	1.50
51	.01	.00027	25	220	2200	—	—	—	ST-3	1.50
50	.01	.00027	2.2	10	330	2200	—	—	ST-4	1.50
52	.001	.0014	—	4700	220	—	—	—	ST-5	1.00
53	.00047	.0008	10000	470	2200	—	—	—	ST-6	2.00
54	.00068	.005	—	10	220	—	—	—	ST-7	1.00

# SPRAGUE PRINTED CIRCUITS

## BULPLATE and MULTI-COMP PRINTED CIRCUITS, continued



### SYNC TAKEOFF (Cont.)

Fig.	C <sub>1</sub> (μF)	C <sub>2</sub> (μF)	C <sub>3</sub> (μμF)	R <sub>1</sub> (KΩ)	R <sub>2</sub> (KΩ)	R <sub>3</sub> (KΩ)	R <sub>4</sub>	R <sub>5</sub>	Cat. No.	List Price
55	.00015	.01	25	470	2200	—	—	—	ST-8	\$1.50
56	.001	.001	3300	4700	200	—	—	—	ST-9	1.25
57	.00068	.005	—	4.7	220	—	—	—	ST-10	1.40
58	.00015	—	—	15	270	—	—	—	ST-11	1.00
59	.00033	.00033	—	270	2200	560	—	—	ST-12	1.25
60	.01	.00015	—	270	—	—	—	—	ST-13	1.30
61	.00033	.00033	—	1M	2.2M	270	—	—	ST-15	1.25
69	.005	150μμF	.005μF	47K	270	100	100K	2.2M	ST-16	2.10

### TRIODE COUPLING

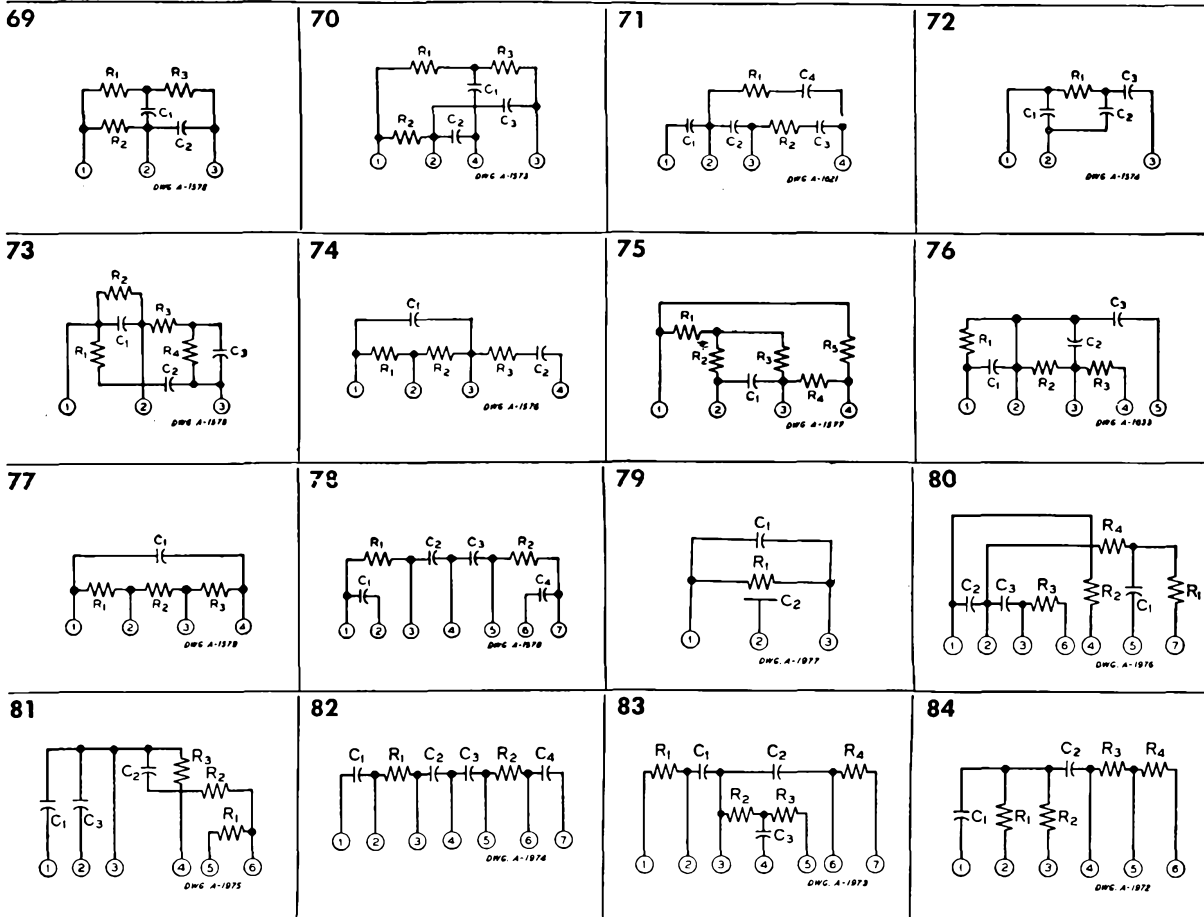
Fig.	C <sub>1</sub> (μF)	C <sub>2</sub> , C <sub>3</sub> (μμF)	R <sub>1</sub> (KΩ)	R <sub>2</sub> (KΩ)	R <sub>3</sub> (KΩ)	R <sub>4</sub> (KΩ)	R <sub>5</sub>	R <sub>6</sub>	R <sub>7</sub>	Cat. No.	List Price
62	.01	250	500	500	—	—	—	—	—	T-1	\$1.05
62	.01	250	250	500	—	—	—	—	—	T-2	1.05
62	.005	250	500	500	—	—	—	—	—	T-3	1.05
62	.005	250	250	500	—	—	—	—	—	T-4	1.05
63	.01	—	470	1000	—	—	—	—	—	T-5	1.05
62	.01	500	500	500	—	—	—	—	—	T-6	1.05
64	.01	—	150	1000	147	—	—	—	—	T-7	1.50
65	.01	.01μF	470	47	47	470	—	—	—	T-8	1.50
62	680μμF	100μμF	200	470	—	—	—	—	—	T-9	1.10
62	.0022	100,470	150	470	—	—	—	—	—	T-10	1.10
66	.001	.001μF	470	470	470	470	100K	47K	100K	T-11	2.15
66	100μμF	.0047μF	1.5M	470	—	—	—	—	—	T-12	1.20

### TONE COMPENSATION

Fig.	C <sub>1</sub> (μμF)	C <sub>2</sub> (μμF)	C <sub>3</sub> (μμF)	C <sub>4</sub> (μμF)	R <sub>1</sub> (KΩ)	R <sub>2</sub> (KΩ)	R <sub>3</sub> (KΩ)	R <sub>4</sub> , R <sub>5</sub> (KΩ)	Cat. No.	List Price
68	4700	4700	100	—	100	100	470	1.0	TC-1	\$1.80
69	1500	1500	—	—	4700	4700	4700	—	TC-2	1.25
70	3000	400	250	—	4700	4700	4700	—	TC-3	1.25
71	200	100	4500	4500	50	50	—	—	TC-4	1.25
71	100	50	2500	2500	100	100	—	—	TC-5	1.25
72	1000	4000	10000	—	22	—	—	—	TC-6	1.00
73	150	4700	2200	—	220	47	47	270	TC-7	2.19
74	150	10000	—	—	150	47	27	—	TC-8	1.45

# SPRAGUE PRINTED CIRCUITS

## BULPLATE and MULTI-COMP PRINTED CIRCUITS, continued



### TC-9 through TC-30

### TC-31

### TC-32 through TC-35

### TC-36 through TC-38

### TC-39 through TC-41

### TC-42 through TC-44

### TC-45

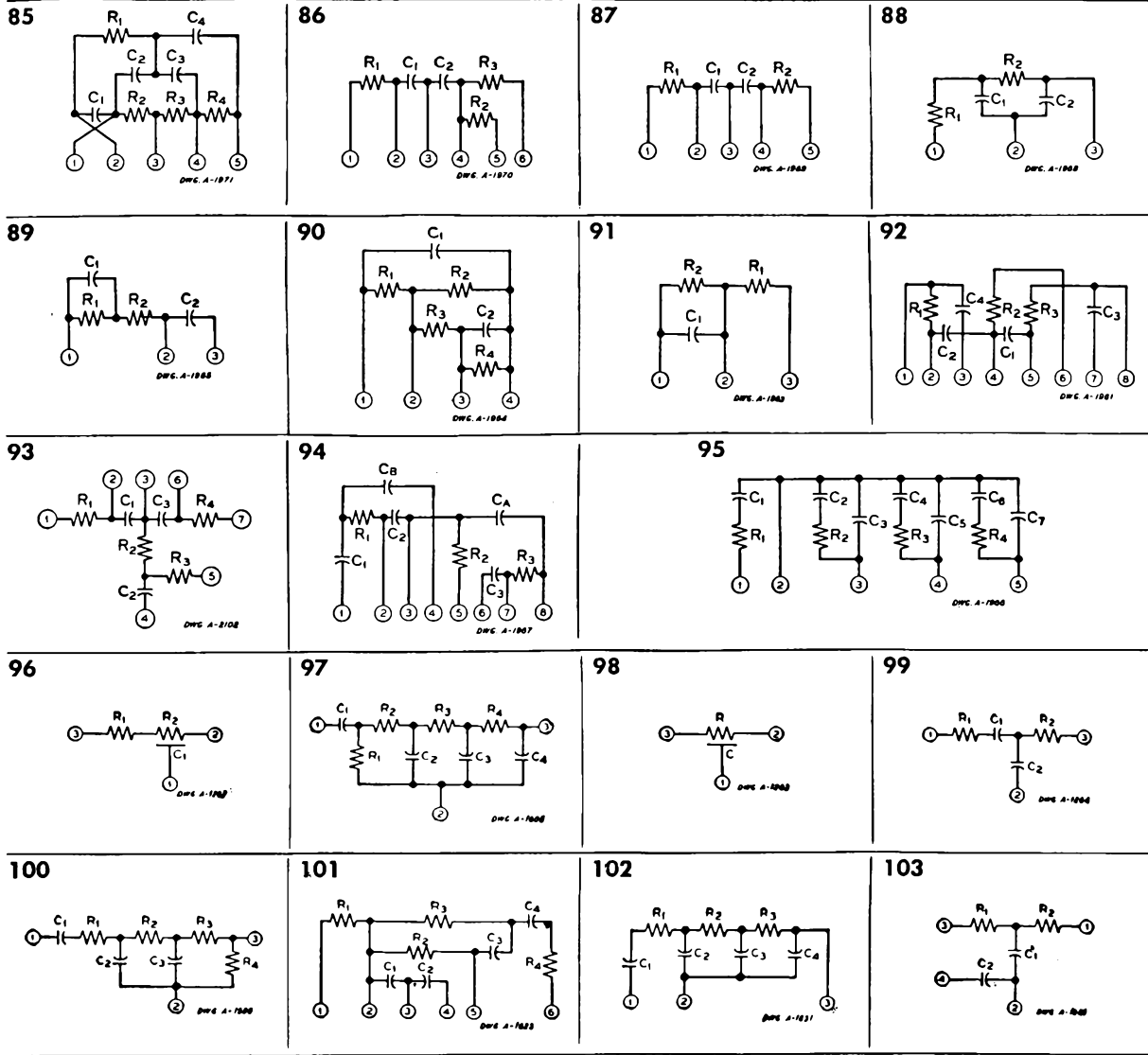
Fig.	C <sub>1</sub> (μF)	C <sub>2</sub> (μF)	C <sub>3</sub> (μF)	C <sub>4</sub> (μF)	R <sub>1</sub> (KΩ)	R <sub>2</sub> (KΩ)	R <sub>3</sub> (KΩ)	R <sub>4, R5</sub> (KΩ)	Cat. No.	List Price
75	10	—	—	—	7.3	107	132	150	TC-9	\$2.00
76	390	2200	5000	—	47	10	10	—	TC-11	1.25
77	47	—	—	—	100	100	100	—	TC-12	1.50
78	470	1000	.01 μF	4700	220	22	—	—	TC-13	1.70
79	Note—C <sub>1</sub> , C <sub>2</sub> & R <sub>1</sub> adjusted for 10 kilocycle resonance									
80	100	.0039 μF	.0039 μF	—	1	100	100	70	TC-19	1.45
81	150	200	1500	—	47	150	220	—	TC-20	2.35
82	750	.003 μF	.015 μF	.0034 μF	120	27	—	—	TC-21	1.70
83	68	.001 μF	.01 μF	.001 μF	220	22	—	—	TC-22	1.85
84	.0047 μF	.0047 μF	330	—	100	120	1	100	TC-23	1.75
85	500	.002 μF	—	—	32	150	1.8	47	TC-24	1.80
86	270	390	470	.0063 μF	150	10M	10M	22M	TC-25	2.05
87	330	330	—	—	100	150	270	—	TC-26	2.25
88	.01 μF	.01 μF	—	—	27	27	—	—	TC-27	2.25
89	500	200	—	—	40	160	—	—	TC-28	1.25
90	220	630	—	—	220	62	—	—	TC-29	.95
91	.05	10	—	—	3.3M	47	100	1.2M	TC-30	2.05
92	33	—	—	—	33	470	—	—	TC-31	.95
93	.022 μF	.0015 μF	.0022 μF	220	47	100	10	—	TC-32	2.50
94	.0047 μF	200	.0047 μF	—	100	470	1	100	TC-33	2.00
95	220	.0022 μF	.0022 μF	CA=.02 CB=.047	47	100	10	—	TC-34	3.25

Fig.	C <sub>1</sub> (μF)	C <sub>2</sub> (μF)	C <sub>3</sub> (μF)	C <sub>4</sub> (μF)	C <sub>5</sub> (μF)	C <sub>6</sub> (μF)	C <sub>7</sub> (μF)	R <sub>1</sub> (KΩ)	R <sub>2</sub> (KΩ)	R <sub>3</sub> (KΩ)	R <sub>4</sub> (KΩ)	No.	Price
95	.015	.01	.003	.005	.001	.022	.001	3.3	33	47	15	TC-31	\$3.45

# SPRAGUE PRINTED CIRCUITS

## BULPLATE and MULTI-COMP PRINTED CIRCUITS, continued



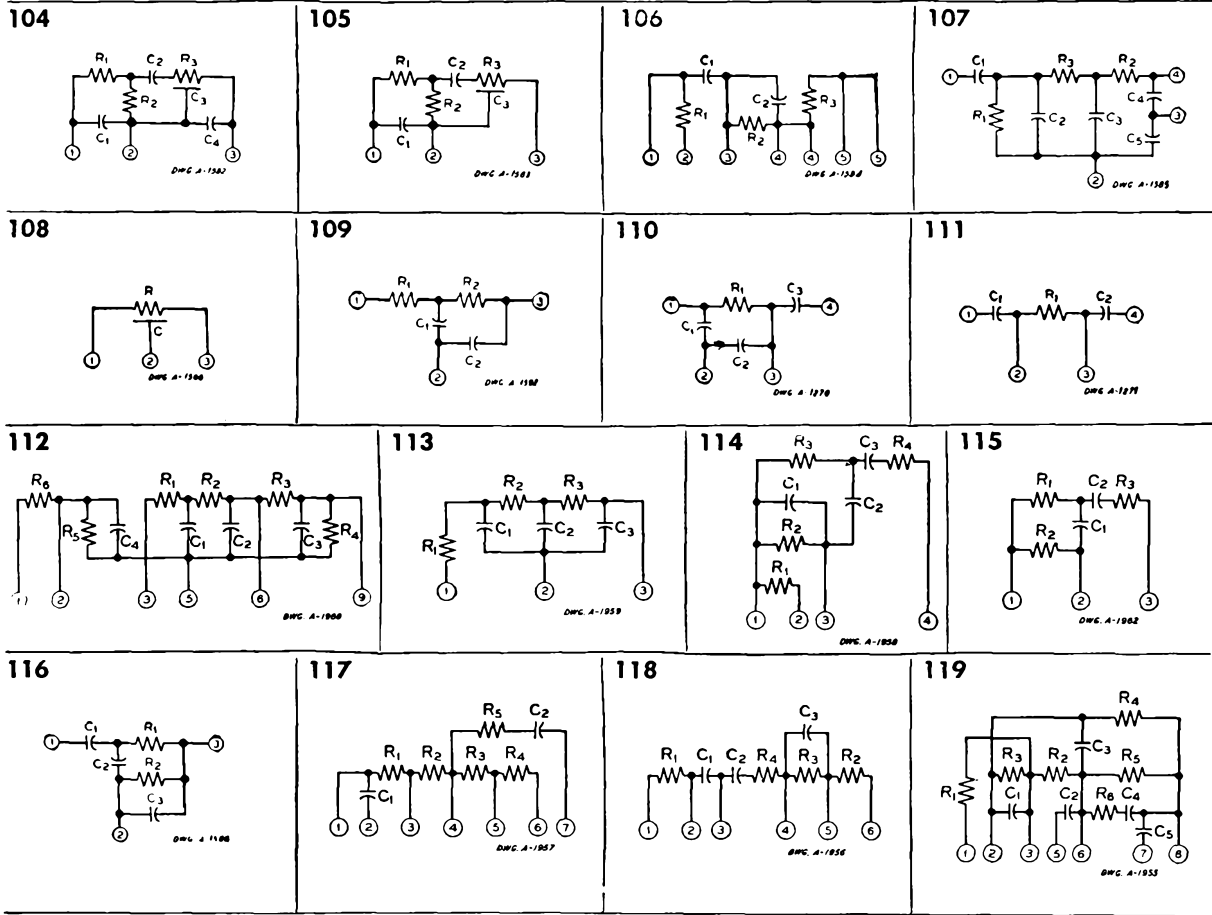
### VERTICAL INTEGRATOR

Fig.	C <sub>1</sub> (μF)	C <sub>2</sub> (μF)	C <sub>3</sub> (μF)	C <sub>4</sub> (μF)	C <sub>5</sub> (μμF)	R <sub>1</sub> (KΩ)	R <sub>2</sub> (KΩ)	R <sub>3</sub> (KΩ)	R <sub>4</sub> (KΩ)	R <sub>5</sub> (KΩ)	R <sub>6</sub> (KΩ)	Cat. No.	List Price
96	.012	—	—	—	—	22	16.4	—	—	—	—	V-1/V-3	\$1.25
97	.01	—	—	—	—	22	22	—	—	—	—	V-2	1.80
98	.012	.002	.005	.005	—	—	16.4	—	—	—	—	V-4	1.30
99	.0047	.0047	—	—	—	22	10	—	—	—	—	V-5	1.30
100	.004	.01	.01	—	—	10	10	10	1000	—	—	V-6	1.25
101	.00018	.00013	.0008	.0008	—	47	47	68	100	—	—	V-7	1.25
102	.01	.002	.005	.005	—	22	8.2	8.2	—	—	—	V-8	1.50
103	.0025	.00033	—	—	—	33	15	—	—	—	—	V-9	.90
104	.00015	.005	.004	.004	—	33	33	90	—	—	—	V-10	2.15
105	.00015	.005	.004	.004	—	33	33	90	—	—	—	V-11	2.10
106	.05	.002	—	—	—	1000	1000	10	—	—	—	V-12	4.00
107	.005	.01	.0022	.001	470	47	33	82	—	—	—	V-13	1.90
108	.001	—	—	—	—	70	—	—	—	—	—	V-14	.70
108	.001	—	—	—	—	90	—	—	—	—	—	V-15	.70
109	.001	.002	—	—	—	82	39	—	—	—	—	V-16	1.50
110	.001	.004	.01	—	—	22	—	—	—	—	—	V-17	1.25
111	.00025	.01	—	—	—	4700	—	—	—	—	—	V-18	1.00
112	.009	.011	.009	.002	—	36	50	19	26	12	56	V-19	1.95
113	470μF	.01	.01	—	—	47	470	1M	—	—	—	V-21	1.45
105	.005	.004	150μF	—	—	22	39	90	—	—	—	V-22	2.10
104	.005	.0036	150μF	600μF	—	10	33	90	—	—	—	V-23	2.25
114	100μF	800μF	.0033	—	—	22	68	68	100	—	—	V-26	1.60
104	.005	.004	150μF	600μF	—	22	27	90	—	—	—	V-27	2.25
115	800μF	2000μF	—	—	—	68	15	100	—	—	—	V-28	1.30

All prices and sizes subject to change without notice.

# SPRAGUE PRINTED CIRCUITS

## BULPLATE and MULTI-COMP PRINTED CIRCUITS, continued



**VERTICAL FEEDBACK**

Fig.	C <sub>1</sub> (μF)	C <sub>2</sub> (μF)	C <sub>3</sub> (μF)	R <sub>1</sub> (KΩ)	R <sub>2</sub> (KΩ)	R <sub>3</sub>	R <sub>4</sub>	R <sub>5</sub>	Cat. No.	List Price
116	.001	.001	.002	100	100	—	—	—	VF-1	\$1.30
117	.01	.01	—	6.8M	510	470K	680K	1K	VF-2	1.90
118	.0033	.002	.0047	2.2	2.2	27K	180	—	VF-3	1.70

Fig.	C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	C <sub>5</sub>	R <sub>1</sub>	R <sub>2</sub>	R <sub>3</sub>	R <sub>4</sub>	R <sub>5</sub>	R <sub>6</sub>	Cat. No.	List Price
119	.008	68	220	27	.005	8.2K	470K	330K	680K	330K	100K	VF-4	\$2.70

## COMPONENTS FOR EVERY NEED

You will find a Sprague special purpose item for virtually any application. High capacitance capacitors, noise filters, auto generator capacitors, metal cased midget tubulars, high voltage rectangular oils, screwbase

oils and bath-tub types for severe operating conditions are some of the standard catalog items which help make the Sprague line the most complete line in the industry.



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## MICA TYPES

- Each Mica Capacitor Section Receives a Radio Frequency Test Before Molding
- Careful Selection and Electrical Grading of Raw Mica Assures Maximum Quality
- Section Foils on Foil Micras are Connected to Terminals through Special Low-resistance R-F Bonds
- R-F Current Tested for Peak Ratings After Impregnation and Molding

### TYPE MS & 1FM MICAS



**TYPE MS—SILVERED MICA**

(Standard Capacity Tolerance ±5%)

MF	Cat. No.	List	MF	Cat. No.	List	MF	Cat. No.	List
<b>500 WVDC, 1000 V Test</b>								
.000005	MS-55	\$.45	.000120	MS-312	\$.45	.001300	MS-213	\$ 1.25
.000010	MS-41	.40	.000130	MS-313	.45	.001500	MS-215	1.35
.000012	MS-412	.40	.000150	MS-315	.45	.001600	MS-216	1.35
.000015	MS-415	.40	.000160	MS-316	.45	.001800	MS-218	1.35
.000018	MS-418	.40	.000200	MS-32	.45	.002000	MS-22	1.35
.000020	MS-42	.40	.000220	MS-322	.45	.002200	MS-222	1.50
.000022	MS-422	.40	.000240	MS-324	.55	.002400	MS-224	1.80
.000024	MS-424	.40	.000270	MS-327	.55	.002500	MS-225	1.80
.000025	MS-425	.40	.000300	MS-33	.55	.003000	MS-23	2.05
.000027	MS-427	.40	.000330	MS-333	.55	.003300	MS-233	2.05
.000030	MS-43	.40	.000360	MS-336	.55	.003600	MS-236	2.10
.000033	MS-433	.40	.000390	MS-339	.65	.003900	MS-239	2.15
.000036	MS-436	.40	.000400	MS-34	.65	.004000	MS-24	2.15
.000039	MS-439	.40	.000430	MS-343	.65	.004300	MS-243	2.15
.000040	MS-44	.40	.000470	MS-347	.70	.004700	MS-247	2.15
.000043	MS-443	.40	.000500	MS-35	.70	.005000	MS-25	2.25
.000047	MS-447	.40	.000550	MS-351	.70	.005100	MS-251	2.25
.000050	MS-45	.40	.000560	MS-356	.75	.005600	MS-256	2.50
.000051	MS-451	.40	.000600	MS-36	.80	.006000	MS-26	2.40
.000056	MS-456	.40	.000620	MS-362	.80	.006200	MS-262	2.60
.000060	MS-46	.40	.000680	MS-368	.85	<b>300 WVDC, 600 V Test</b>		
.000062	MS-462	.40	.000700	MS-37	.85	.006800	MS-268	2.60
.000068	MS-468	.40	.000750	MS-375	.90	.007000	MS-27	2.60
.000070	MS-47	.40	.000800	MS-38	.95	.007500	MS-275	2.80
.000075	MS-475	.40	.000820	MS-382	.95	.008000	MS-28	2.80
.000082	MS-482	.40	.000900	MS-39	1.00	.008200	MS-282	2.80
.000091	MS-491	.40	.000910	MS-391	1.00	.008800	MS-288	3.10
.000100	MS-31	.40	.001000	MS-21	1.10	.009000	MS-29	3.10
.000110	MS-311	.45	.001100	MS-211	1.20	.009100	MS-291	3.10
			.001200	MS-212	1.30	.010000	MS-11	3.40

### TYPE 1FM

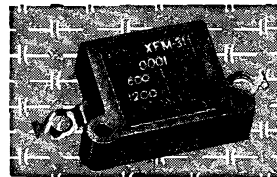
(Standard Capacity Tolerance ±20%)

MF	Cat. No.	List	MF	Cat. No.	List	MF	Cat. No.	List
<b>500 WVDC, 1000 V Test</b>								
.000010	1FM-41	\$.25	.000150	1FM-315	\$.20	.001500	1FM-215	\$.30
.000012	1FM-412	.25	.000160	1FM-316	.20	.001600	1FM-216	.30
.000015	1FM-415	.25	.000180	1FM-318	.20	.001800	1FM-218	.40
.000018	1FM-418	.25	.000200	1FM-32	.20	.002000	1FM-22	.40
.000020	1FM-42	.25	.000220	1FM-322	.25	.002200	1FM-222	.40
.000022	1FM-422	.25	.000240	1FM-324	.25	.002400	1FM-224	.50
.000024	1FM-424	.25	.000250	1FM-325	.25	.002500	1FM-225	.50
.000027	1FM-427	.25	.000270	1FM-327	.25	.002700	1FM-227	.50
.000030	1FM-43	.25	.000300	1FM-33	.25	.003000	1FM-23	.50
.000033	1FM-433	.25	.000330	1FM-333	.25	.003300	1FM-233	.60
.000036	1FM-436	.25	.000350	1FM-335	.25	.003600	1FM-236	.60
.000039	1FM-439	.25	.000360	1FM-336	.25	.003900	1FM-239	.60
.000040	1FM-44	.25	.000390	1FM-339	.25	.004000	1FM-24	.55
.000043	1FM-443	.20	.000400	1FM-34	.25	.004300	1FM-243	.60
.000047	1FM-447	.20	.000430	1FM-343	.25	.004700	1FM-247	.60
.000050	1FM-45	.20	.000470	1FM-347	.25	.005000	1FM-25	.60
.000051	1FM-451	.20	.000500	1FM-35	.25	.005100	1FM-251	.60
.000056	1FM-456	.20	.000550	1FM-351	.25	.005600	1FM-256	.65
.000060	1FM-46	.20	.000560	1FM-356	.25	.006000	1FM-26	.65
.000062	1FM-462	.20	.000620	1FM-362	.25	.006200	1FM-262	.65
.000068	1FM-468	.20	<b>300 WVDC, 600 V Test</b>					
.000075	1FM-475	.20	.000700	1FM-37	.25	.006800	1FM-268	.85
.000082	1FM-482	.20	.000750	1FM-375	.30	.007000	1FM-27	.85
.000091	1FM-491	.20	.000820	1FM-382	.30	.007500	1FM-275	.85
.000100	1FM-31	.20	.000910	1FM-391	.30	.008000	1FM-28	1.00
.000110	1FM-311	.20	.001000	1FM-21	.30	.008200	1FM-282	1.00
.000120	1FM-312	.20	.001100	1FM-211	.30	.009000	1FM-29	1.00
.000130	1FM-313	.20	.001200	1FM-212	.30	.009100	1FM-291	1.00
			.001300	1FM-213	.30	.010000	1FM-11	1.20

### MS and 1FM Dimensions

Catalog Nos.	L x W x T	Catalog Nos.	L x W x T
MS-55 thru MS-35	5/16 x 1 1/2 x 7/32	MS-29 thru MS-11	1 x 5/8 x 3/16
MS-351 thru MS-222	3/16 x 5/16 x 7/32	1FM-41 thru 1FM-462	5/16 x 1 1/2 x 7/32
MS-224	5/16 x 5/16 x 1 1/32	1FM-468 thru 1FM-475	5/16 x 3/4 x 7/32
MS-225 thru MS-227	5/16 x 5/16 x 7/32	1FM-482 thru 1FM-356	5/16 x 1 1/2 x 7/32
MS-23	5/16 x 5/16 x 1 1/32	1FM-362 thru 1FM-233	5/16 x 3/4 x 7/32
MS-233	5/16 x 5/16 x 7/32	1FM-236 thru 1FM-282	5/16 x 3/4 x 1 1/32
MS-236 thru MS-282	5/16 x 5/16 x 1 1/32	1FM-29 thru 1FM-11	1 x 5/8 x 3/16

### TYPES XFM, YFM & ZFM



(Standard Capacity Tolerance ±10%)

#### XFM—600 WVDC, 1200 V TEST

MF	Cat. No.	List
.00005	XFM-45	\$1.20
.0001	XFM-31	1.20
.0002	XFM-32	1.20
.00025	XFM-325	1.20
.0003	XFM-33	1.20
.0004	XFM-34	1.20
.0005	XFM-35	1.20
.001	XFM-21	1.20
.0015	XFM-215	1.20
.002	XFM-22	1.30
.0025	XFM-225	1.30
.003	XFM-23	1.45
.004	XFM-24	1.50
.005	XFM-25	1.55
.006	XFM-26	1.80
.007	XFM-27	1.85
.008	XFM-28	1.90
.01	XFM-11	2.15
.02	XFM-12	3.05
.03	XFM-13	4.45

Catalog Nos. L x W x T

XFM-45 thru XFM-11 1 3/4 x 1 1/4 x 1/2

XFM-12 thru XFM-13 1 3/4 x 1 1/4 x 3/4

#### YFM—1200 WVDC, 2500 V TEST

MF	Cat. No.	List
.00005	YFM-45	1.60
.0001	YFM-31	1.60
.0002	YFM-32	1.60
.00025	YFM-325	1.60
.0003	YFM-33	1.60
.0004	YFM-34	1.60
.0005	YFM-35	1.60
.001	YFM-21	1.80
.0015	YFM-215	2.30
.002	YFM-22	2.40
.0025	YFM-225	2.80
.003	YFM-23	3.05
.004	YFM-24	3.05
.005	YFM-25	3.30
.006	YFM-26	3.30
.007	YFM-27	3.45
.008	YFM-28	3.85
.01	YFM-11	5.10

Catalog Nos. L x W x T

YFM-45 thru YFM-24 1 3/4 x 1 1/4 x 1 1/2

YFM-25 thru YFM-11 1 3/4 x 1 1/4 x 3/4

#### ZFM—2500 WVDC, 5000 V TEST

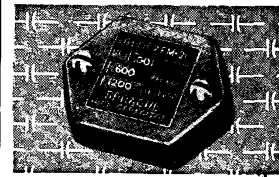
MF	Cat. No.	List
.00005	ZFM-45	1.90
.0001	ZFM-31	1.90
.0002	ZFM-32	1.90
.00025	ZFM-325	2.20
.0003	ZFM-33	2.25
.0004	ZFM-34	2.30
.0005	ZFM-35	2.40
.001	ZFM-21	2.80
.0015	ZFM-215	3.55
.002	ZFM-22	4.15
.003	ZFM-23	4.90
.004	ZFM-24	5.65
.005	ZFM-25	6.40

Catalog Nos. L x W x T

ZFM-45 thru ZFM-22 1 3/4 x 1 1/4 x 1 1/2

ZFM-23 thru ZFM-25 1 3/4 x 1 1/4 x 3/4

### TYPES 7FM, 8FM & 9FM



(Standard Capacity Tolerance ±10%)

#### 7FM—600 WVDC, 1200 V TEST

MF	Cat. No.	List
.00005	7FM-45	\$1.45
.0001	7FM-31	1.45
.00015	7FM-315	1.45
.0002	7FM-32	1.45
.00025	7FM-325	1.45
.0003	7FM-35	1.45
.001	7FM-21	1.45
.002	7FM-22	1.65
.0025	7FM-225	1.70
.003	7FM-23	1.85
.004	7FM-24	2.00
.005	7FM-25	2.10
.006	7FM-26	2.20
.008	7FM-28	2.45
.01	7FM-11	2.80
.015	7FM-115	3.05
.02	7FM-12	3.55
.03	7FM-13	4.55
.04	7FM-14	5.85
.05	7FM-15	7.10
.06	7FM-16	8.05

Catalog Nos. L x W x T

7FM-45 thru 7FM-13 1 3/4 x 1 1/4 x 3/4

7FM-14 thru 7FM-16 1 3/4 x 1 1/4 x 3/4

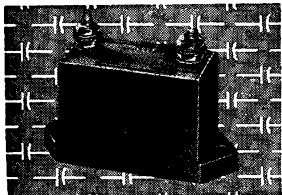
#### 8FM—1200 WVDC, 2500 V TEST

MF	Cat. No.	List
.00005	8FM-45	1.60
.0001	8FM-31	1.60
.00015	8FM-315	1.60
.0002	8FM-32	1.60
.00025	8FM-325	1.60
.0003	8FM-35	1.60
.001	8FM-21	1.90
.0015	8FM-215	2.50
.002	8FM-22	2.80
.0025	8FM-225	2.80
.003	8FM-23	2.95
.004	8FM-24	3.10
.0		

# SPRAGUE CAPACITORS

## MICA CAPACITORS, continued

### TYPES 1MC & 2MC



(Standard Capacity Tolerance  $\pm 5\%$ )

MF VAC Peak Cat. No. List

#### TYPE 1MC

Dimensions—2" L. x  $\frac{1}{4}$ " W. x  $1\frac{1}{2}$ " H.

MF	VAC Peak	Cat. No.	List
.00005	3000	1MC-45	\$12.60
.0001	3000	1MC-31	12.60
.00015	3000	1MC-315	12.60
.0002	3000	1MC-32	12.60
.00025	3000	1MC-325	12.60
.0003	3000	1MC-33	12.60
.0004	3000	1MC-34	12.60
.0005	3000	1MC-35	12.60
.0006	3000	1MC-36	12.60
.0007	3000	1MC-37	12.60
.0008	3000	1MC-38	12.60
.001	3000	1MC-21	12.60
.0015	3000	1MC-215	12.60
.002	3000	1MC-22	12.60
.003	2000	1MC-23	12.60
.004	2000	1MC-24	12.60
.005	2000	1MC-25	12.60
.006	2000	1MC-26	12.60
.007	2000	1MC-27	12.60
.008	1500	1MC-28	12.60
.01	1000	1MC-11	12.60
.015	1000	1MC-115	12.60
.02	1000	1MC-12	14.30
.03	500	1MC-13	14.30
.04	500	1MC-14	14.30
.05	250	1MC-15	14.30
.1	250	1MC-1	15.10

#### TYPE 2MC

Dimensions—2 $\frac{1}{4}$ " L. x  $\frac{1}{4}$ " W. x  $1\frac{1}{4}$ " H.

MF	VAC Peak	Cat. No.	List
.00005	5000	2MC-45	17.30
.0001	5000	2MC-31	17.30
.00015	5000	2MC-315	17.30
.0002	5000	2MC-32	17.30
.00025	5000	2MC-325	17.30
.0003	5000	2MC-33	17.30
.0004	5000	2MC-34	17.30
.0005	5000	2MC-35	17.30
.0006	5000	2MC-36	17.30
.0007	5000	2MC-37	17.30
.0008	5000	2MC-38	17.30
.001	5000	2MC-21	17.30
.0015	5000	2MC-215	17.30
.002	5000	2MC-22	17.30
.003	3000	2MC-23	17.30
.004	3000	2MC-24	17.30
.005	3000	2MC-25	17.30
.006	3000	2MC-26	17.30
.007	3000	2MC-27	17.30
.008	2000	2MC-28	17.30
.01	2000	2MC-11	17.30
.015	2000	2MC-115	17.30
.02	2000	2MC-12	17.30
.03	1500	2MC-13	17.30
.04	1500	2MC-14	17.30
.05	1500	2MC-15	17.30
.06	1000	2MC-16	18.60
.07	1000	2MC-17	18.60
.08	500	2MC-18	19.20
.1	500	2MC-1	19.20

### TYPES 1CC, 2CC, 3CC & 4CC

(Standard Capacity Tolerance  $\pm 5\%$ )

MF	Cat. No.	List
<b>TYPE 1CC</b>		
Dimensions—2 $\frac{1}{16}$ " D. x 2 $\frac{1}{2}$ " H.		
<b>6000 VAC Peak</b>		
.00005	1CC-45	\$38.20
.000075	1CC-475	40.00
.0001	1CC-31	40.60
.00015	1CC-315	40.60
.0002	1CC-32	40.60
.00025	1CC-325	40.60
.0003	1CC-33	44.35
.0004	1CC-34	44.35
.0005	1CC-35	46.65
.0006	1CC-36	46.65
.0007	1CC-37	46.65
.0008	1CC-38	46.65
.001	1CC-21	46.65
.0015	1CC-215	48.90
.002	1CC-22	48.90
.003	1CC-23	50.60
.004	1CC-24	50.60

MF	Cat. No.	List
<b>4000 VAC Peak</b>		
.005	1CC-25	50.60
.006	1CC-26	51.45
.007	1CC-27	51.45
.008	1CC-28	51.45
.01	1CC-11	51.45

MF	Cat. No.	List
<b>3000 VAC Peak</b>		
.015	1CC-115	51.45

MF	Cat. No.	List
<b>2000 VAC Peak</b>		
.02	1CC-12	51.45
.025	1CC-125	51.80

MF	Cat. No.	List
<b>1500 VAC Peak</b>		
.03	1CC-13	55.75
.04	1CC-14	58.50
.05	1CC-15	60.75
.06	1CC-16	62.80

MF	Cat. No.	List
<b>1000 VAC Peak</b>		
.07	1CC-17	64.25
.08	1CC-18	65.75
.1	1CC-1	68.50

MF	Cat. No.	List
<b>TYPE 2CC</b>		
Dimensions—3 $\frac{1}{2}$ " D. x 3" H.		
<b>10,000 VA Peak</b>		
.00005	2CC-45	65.55
.000075	2CC-475	65.55
.0001	2CC-31	65.55
.00015	2CC-315	65.55
.0002	2CC-32	65.55
.00025	2CC-325	65.55
.0003	2CC-33	65.55
.0004	2CC-34	65.55
.0005	2CC-35	65.55
.0006	2CC-36	65.55
.0007	2CC-37	65.55
.0008	2CC-38	65.55
.001	2CC-21	65.55
.0015	2CC-215	65.55
.002	2CC-22	65.55

MF	Cat. No.	List
<b>8000 VAC Peak</b>		
.003	2CC-23	65.55
.004	2CC-24	65.55

MF	Cat. No.	List
<b>6000 VAC Peak</b>		
.005	2CC-25	65.55

MF	Cat. No.	List
<b>5000 VAC Peak</b>		
.006	2CC-26	69.15
.007	2CC-27	69.15
.008	2CC-28	69.15
.01	2CC-11	69.15

MF	Cat. No.	List
<b>4000 VAC Peak</b>		
.015	2CC-115	\$ 69.15

MF	Cat. No.	List
<b>3000 VAC Peak</b>		
.02	2CC-12	69.15
.025	2CC-125	72.00

MF	Cat. No.	List
<b>2000 VAC Peak</b>		
.03	2CC-13	73.50
.04	2CC-14	77.80
.05	2CC-15	80.75
.06	2CC-16	83.00

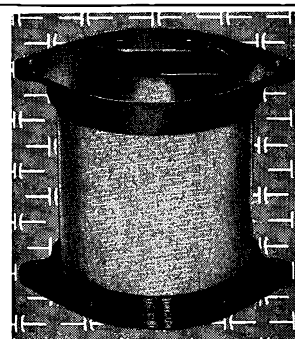
MF	Cat. No.	List
<b>1500 VAC Peak</b>		
.07	2CC-17	85.00
.08	2CC-18	86.50
.1	2CC-1	90.00

MF	Cat. No.	List
<b>TYPE 3CC</b>		
Dimensions—5" D. x 4" H.		
<b>20,000 VAC Peak</b>		
.00005	3CC-45	110.90
.000075	3CC-475	121.00
.0001	3CC-31	121.00
.00015	3CC-315	131.10
.0002	3CC-32	131.10
.0003	3CC-33	131.10
.0004	3CC-34	137.15
.0005	3CC-35	137.15
.0006	3CC-36	137.15
.0007	3CC-37	137.15
.0008	3CC-38	137.15
.001	3CC-21	141.15

MF	Cat. No.	List
<b>15,000 VAC Peak</b>		
.0015	3CC-215	143.20
.002	3CC-22	143.20

MF	Cat. No.	List
<b>12,000 VAC Peak</b>		
.003	3CC-23	151.25
.004	3CC-24	151.25
<b>10,000 VAC Peak</b>		
.005	3CC-25	151.25
.006	3CC-26	151.25
.007	3CC-27	151.25
.008	3CC-28	151.25
<b>8000 VAC Peak</b>		
.01	3CC-11	151.25
<b>5000 VAC Peak</b>		
.015	3CC-115	151.25
.02	3CC-12	151.25

MF	Cat. No.	List
<b>3000 VAC Peak</b>		
.025	3CC-125	151.25
.03	3CC-13	151.25
.04	3CC-14	151.25
.05	3CC-15	151.25
.06	3CC-16	158.50
<b>2000 VAC Peak</b>		
.07	3CC-17	164.00
.08	3CC-18	172.00
.1	3CC-1	182.00



MF Cat. No. List

MF	Cat. No.	List
<b>TYPE 4CC</b>		
Dimensions—5" D. x 5 $\frac{3}{4}$ " H.		
<b>30,000 VAC Peak</b>		
.0001	4CC-31	\$210.30
.00015	4CC-315	210.30
.0002	4CC-32	221.16
.0003	4CC-33	221.16
.0004	4CC-34	221.16
.0005	4CC-35	221.16
.0006	4CC-36	221.16
.0007	4CC-37	221.16
.0008	4CC-38	221.16
.001	4CC-21	229.10

MF	Cat. No.	List
<b>25,000 VAC Peak</b>		
.0015	4CC-215	229.10
<b>20,000 VAC Peak</b>		
.002	4CC-22	229.10
.003	4CC-23	229.10

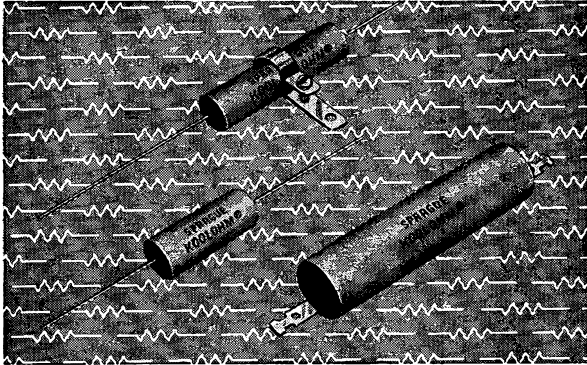
MF	Cat. No.	List
<b>15,000 VAC Peak</b>		
.004	4CC-24	234.35
.005	4CC-25	242.00
.006	4CC-26	252.25
.007	4CC-27	260.00
<b>12,000 VAC Peak</b>		
.008	4CC-28	260.00
.009	4CC-29	260.00

MF	Cat. No.	List
<b>10,000 VAC Peak</b>		
.01	4CC-11	272.44
<b>8000 VAC Peak</b>		
.015	4CC-115	272.44
<b>6000 VAC Peak</b>		
.02	4CC-12	272.44
.03	4CC-13	272.44

MF	Cat. No.	List
<b>5000 VAC Peak</b>		
.04	4CC-14	272.44
.05	4CC-15	272.44
.06	4CC-16	290.00
<b>4000 VAC Peak</b>		
.07	4CC-17	300.00
<b>3000 VAC Peak</b>		
.08	4CC-18	308.00
.1	4CC-1	326.00

# SPRAGUE RESISTORS

## KOOLOHM<sup>®</sup> WIREWOUND RESISTORS



- Ceramic Outer Jacket. May be Mounted Anywhere—Even Flat Against Chassis or Grounded Parts.
- Each Resistor is "Tropicalized" by a Glazed Ceramic Outer Coating and New Type End Seals Which Offer Complete Protection Against Moisture or Any Other Climatic Conditions
- Extremely High Insulation Resistance—10,000 Volts From Surface of Ceramic Jacket to Inner Resistance Elements
- Wound with Wire Which is Insulated Before Winding with a Flexible Ceramic Coating. This Coating is Impervious to Heat at High as 1000°C
- Insulated Wire Permits Winding Higher Values in Layers, Which Means Much Smaller Physical Sizes for Each Wattage Rating
- Insulated Wire Permits True "Non-inductive" Wound Designs
- **Standard Resistance Tolerance: ± 5%.**

NOTE: ALL NIT TYPES ARE NON-INDUCTIVE

TYPE 5KT—5 WATTS			
1/4" Max. D. x 1" Max. L. thru 20K ohms			
1/2" Max. D. x 1 1/16" Max. L. thru 40K ohms			
Ohms	Max. Ma	Cat. No.	List
5	1000	5KT5R05	\$.65
10	707	5KT1005	.65
15	587	5KT1505	.65
20	500	5KT2005	.65
25	446	5KT2505	.65
30	406	5KT3005	.65
40	354	5KT4005	.65
50	316	5KT5005	.65
75	258	5KT7505	.65
100	224	5KT1015	.65
150	183	5KT1515	.65
200	158	5KT2015	.65
250	141	5KT2515	.65
300	129	5KT3015	.65
400	112	5KT4015	.65
500	100	5KT5015	.65
600	91	5KT6015	.65
700	84	5KT7015	.65
800	79	5KT8015	.65
900	74	5KT9015	.65
1000	70	5KT1025	.65
1200	64	5KT1225	.65
1250	63	5KT12515*	.70
1400	59	5KT1425	.65
1500	57	5KT1525	.65
1750	53	5KT17515*	.65
1800	51	5KT1825	.65
2000	50	5KT2025	.65
2500	44	5KT2525	.65
3000	40	5KT3025	.65
4000	35	5KT4025	.70
5000	31	5KT5025	.70
6000	28	5KT6025	.70
7000	26	5KT7025	.75
7500	25	5KT7525	.75
8000	25	5KT8025	.75
9000	23	5KT9025	.80
10000	22	5KT1035	.80
12000	20	5KT1235	.85
12500	20	5KT12525*	.90
14000	18	5KT1435	.90
15000	18	5KT1535	.95
20000	15	5KT2035	1.15
125000	14	7KT2535	1.30
130000	13	7KT3035	1.40
135000	12	7KT3535	1.50
140000	11	7KT4035	1.65

TYPE 5NIT—5 WATTS			
1/4" Max. D. x 1" Max. L.			
Ohms	Max. Ma	Cat. No.	List
5	1000	5NIT5R05	\$.95
10	707	5NIT1005	.95
15	587	5NIT1505	.95

TYPE 5NIT continued			
Ohms	Max. Ma	Cat. No.	List
20	500	5NIT2005	\$.95
25	446	5NIT2505	.95
30	406	5NIT3005	.95
40	354	5NIT4005	.95
50	316	5NIT5005	.95
75	258	5NIT7505	.95
100	224	5NIT1015	.95
150	183	5NIT1515	.95
200	158	5NIT2015	.95
250	141	5NIT2515	.95
300	129	5NIT3015	.95
400	112	5NIT4015	.95
500	100	5NIT5015	.95
600	91	5NIT6015	.95
700	84	5NIT7015	.95
800	79	5NIT8015	.95
900	74	5NIT9015	.95
1000	70	5NIT1025	.95
1200	65	5NIT1225	1.00
1250	63	5NIT12515*	1.00
1400	59	5NIT1425	1.00
1500	57	5NIT1525	1.00
1750	53	5NIT17515*	1.00
1800	51	5NIT1825	1.00
2000	50	5NIT2025	1.00
2500	44	5NIT2525	1.05
3000	40	5NIT3025	1.05
4000	35	5NIT4025	1.15
13000	31	7NIT5025	1.30

TYPE 10KT—10 WATTS			
1 1/2" Max. D. x 1 29/32" Max. L.			
Ohms	Max. Ma	Cat. No.	List
5	1414	10KT5R05	\$.75
10	1000	10KT1005	.75
15	830	10KT1505	.75
20	707	10KT2005	.75
25	630	10KT2505	.75
30	575	10KT3005	.75
40	500	10KT4005	.75
50	447	10KT5005	.75
75	365	10KT7505	.75
100	316	10KT1015	.75
150	259	10KT1515	.75
200	223	10KT2015	.75
250	200	10KT2515	.75
300	182	10KT3015	.75
400	158	10KT4015	.75
500	141	10KT5015	.75
600	129	10KT6015	.75
700	119	10KT7015	.75
750	115	10KT7515	.75
800	112	10KT8015	.75
900	105	10KT9015	.75
1000	100	10KT1025	.75
1200	91	10KT1225	.80
1250	89	10KT12515*	.80
1400	84	10KT1425	.80
1500	81	10KT1525	.80
1750	75	10KT17515*	.80

Ohms	Max. Ma	Cat. No.	List
1800	74	10KT1825	\$.80
2000	70	10KT2025	.80
2500	63	10KT2525	.80
3000	57	10KT3025	.80
4000	50	10KT4025	.85
5000	44	10KT5025	.85
6000	41	10KT6025	.85
7500	36	10KT7525	.90
8000	35	10KT8025	.90
9000	33	10KT9025	.95
10000	32	10KT1035	.95
12000	29	10KT1235	1.00
14000	26	10KT1435	1.05
15000	25	10KT1535	1.10
16000	25	10KT1635	1.10
17500	24	10KT17525*	1.15
18000	23	10KT1835	1.15
20000	21	10KT2035	1.20
25000	20	10KT2535	1.30
30000	18	10KT3035	1.40
35000	17	10KT3535	1.55
40000	16	10KT4035	1.65
50000	14	10KT5035	1.90
60000	13	10KT6035	2.10
70000	12	10KT7035	2.35

TYPE 10NIT—10 WATTS			
1 1/2" Max. D. x 1 29/32" Max. L.			
Ohms	Max. Ma	Cat. No.	List
5	1414	10NIT5R05	\$.105
10	1000	10NIT1005	1.05
15	830	10NIT1505	1.05
20	707	10NIT2005	1.05
25	630	10NIT2505	1.05
30	575	10NIT3005	1.05
40	500	10NIT4005	1.05
50	447	10NIT5005	1.05
75	365	10NIT7505	1.05
100	316	10NIT1015	1.05
150	259	10NIT1515	1.05
200	223	10NIT2015	1.05
250	223	10NIT2515	1.05
300	182	10NIT3015	1.05
400	158	10NIT4015	1.05
500	141	10NIT5015	1.05
600	129	10NIT6015	1.05
700	119	10NIT7015	1.05
750	115	10NIT7515	1.05
800	112	10NIT8015	1.05
900	105	10NIT9015	1.05
1000	100	10NIT1025	1.05
1200	91	10NIT1225	1.15
1250	89	10NIT12515*	1.15
1400	84	10NIT1425	1.15
1500	81	10NIT1525	1.15
1750	75	10NIT17515*	1.15
1800	74	10NIT1825	1.15
2000	70	10NIT2025	1.15
2500	63	10NIT2525	1.20
3000	57	10NIT3025	1.20

\*Available Until Present Stock is Exhausted †These are 7 watt resistors and have a case size of 1 1/2" Max. D. x 1 3/4" Max. L.

# SPRAGUE RESISTORS

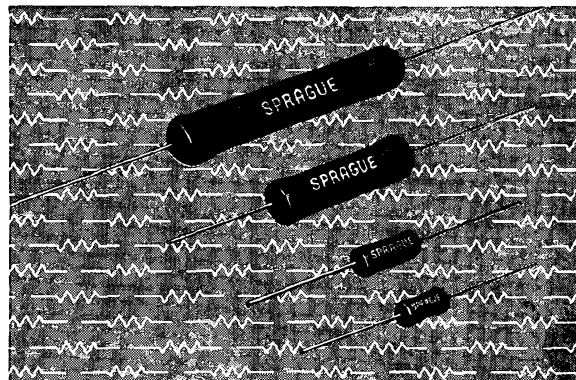
## KOOLOHM® WIREWOUND RESISTORS continued

TYPE 10NIT—10 WATTS				Ohms Max. Amps. Cat. No. List				Ohms Max. Amps. Cat. No. List			
1 1/32" Max. D. x 1 7/32" Max. L.											
Ohms	Max. Ma	Cat. No.	List								
4000	50	10NIT4025	\$1.25	2500	.100	25NIT2525	\$2.00	7500	.081	50NIT7525	\$3.00
5000	44	10NIT5025	1.30	3000	.091	25NIT3025	2.40	10000	.070	50NIT1035	3.10
6000	41	10NIT6025	1.35	4000	.079	25NIT4025	2.40	12000	.064	50NIT1235	3.10
7500	36	10NIT7525	1.50	5000	.070	25NIT5025	2.40	15000	.057	50NIT1535	3.10
8000	36	10NIT8025	1.50	7500	.057	25NIT7525	2.40	20000	.050	50NIT2035	3.30
9000	33	10NIT9025	1.65	10000	.050	25NIT1035	2.75	25000	.044	50NIT2535	3.30
10000	32	10NIT1035	1.80	12000	.046	25NIT1235	2.75	50000	.032	50NIT5035	5.75
				15000	.041	25NIT1535	2.75				
				20000	.035	25NIT2035	3.10				
				25000	.032	25NIT2535	3.40				
TYPE 25KT—25 WATTS				TYPE 50KT—50 WATTS				TYPE 120KT—120 WATTS			
2 3/32" Max. D. x 2 7/8" Max. L.				7/8" Max. D. x 4" Max. L.				1 1/16" Max. D. x 8 1/16" Max. L.			
Ohms	Max. Amps.	Cat. No.	List	Ohms	Max. Amps.	Cat. No.	List	Ohms	Max. Amps.	Cat. No.	List
5	2.23	25KT5R05	\$1.45	5	3.16	50KT5R05	\$1.95	5	4.9	120KT5R05	\$7.75
10	1.58	25KT1005	1.30	10	2.23	50KT1005	1.95	10	3.46	120KT1005	7.75
25	1.0	25KT2505	1.30	25	1.41	50KT2505	1.95	25	2.18	120KT2505	7.75
50	.707	25KT5005	1.30	50	1.000	50KT5005	1.95	50	1.54	120KT5005	7.75
75	.577	25KT7505	1.30	75	.816	50KT7505	1.95	75	1.26	120KT7505	7.75
100	.500	25KT1015	1.30	100	.707	50KT1015	1.95	100	1.09	120KT1015	7.75
150	.408	25KT1515	1.30	150	.577	50KT1515	1.95	150	.884	120KT1515	7.75
200	.353	25KT2015	1.30	200	.500	50KT2015	1.95	200	.775	120KT2015	7.75
250	.316	25KT2515	1.30	250	.477	50KT2515	1.95	250	.692	120KT2515	7.75
500	.223	25KT5015	1.30	500	.316	50KT5015	1.95	500	.490	120KT5015	7.75
600	.204	25KT6015	1.35	600	.289	50KT6015	1.95	600	.446	120KT6015	7.75
750	.182	25KT7515	1.35	750	.258	50KT7515	1.95	750	.400	120KT7515	7.75
1000	.158	25KT1025	1.35	1000	.223	50KT1025	1.95	1000	.346	120KT1025	7.75
1500	.129	25KT1525	1.35	1500	.182	50KT1525	2.10	1500	.282	120KT1525	7.75
2000	.111	25KT2025	1.35	2000	.158	50KT2025	2.10	2000	.245	120KT2025	7.75
2500	.100	25KT2525	1.35	2500	.141	50KT2525	2.10	2500	.219	120KT2525	7.75
3000	.091	25KT3025	1.45	3000	.129	50KT3025	2.30	3000	.200	120KT3025	7.75
4000	.079	25KT4025	1.45	4000	.111	50KT4025	2.30	5000	.154	120KT5025	7.75
5000	.070	25KT5025	1.45	5000	.100	50KT5025	2.30	7500	.126	120KT7525	8.00
7500	.057	25KT7525	1.45	7500	.081	50KT7525	2.40	10000	.109	120KT1035	8.00
10000	.050	25KT1035	1.50	10000	.070	50KT1035	2.85	15000	.089	120KT1535	8.00
12000	.046	25KT1235	1.55	12000	.064	50KT1235	2.85	20000	.077	120KT2035	8.00
15000	.041	25KT1535	1.55	15000	.057	50KT1535	2.85	25000	.069	120KT2535	8.00
20000	.035	25KT2035	1.65	20000	.050	50KT2035	2.90	50000	.049	120KT5035	8.00
25000	.032	25KT2535	1.80	25000	.044	50KT2535	2.90	75000	.040	120KT7535	8.00
40000	.025	25KT4035	2.00	50000	.032	50KT5035	3.00	100000	.034	120KT1045	8.00
50000	.022	25KT5035	2.20	75000	.026	50KT7535	3.10				
75000	.018	25KT7535	2.85	100000	.022	50KT1045	3.50				
100000	.016	25KT1045	3.55								
TYPE 25NIT—25 WATTS				TYPE 50NIT—50 WATTS				TYPE 120NIT—120 WATTS			
2 3/32" Max. D. x 2 7/8" Max. L.				7/8" Max. D. x 4" Max. L.				1 1/16" Max. D. x 8 1/16" Max. L.			
Ohms	Max. Amps.	Cat. No.	List	Ohms	Max. Amps.	Cat. No.	List	Ohms	Max. Amps.	Cat. No.	List
5	2.23	25NIT5R05	\$1.85	5	3.16	50NIT5R05	\$2.10	5	4.9	120NIT5R05	\$9.40
10	1.58	25NIT1005	1.85	10	2.23	50NIT1005	3.10	10	3.46	120NIT1005	9.40
25	1.0	25NIT2505	1.85	25	1.41	50NIT2505	3.10	25	2.18	120NIT2505	9.40
50	.707	25NIT5005	1.85	50	1.000	50NIT5005	3.10	50	1.54	120NIT5005	9.40
75	.577	25NIT7505	1.85	75	.816	50NIT7505	3.10	75	1.26	120NIT7505	9.40
100	.500	25NIT1015	1.85	100	.707	50NIT1015	3.10	100	1.09	120NIT1015	9.40
150	.408	25NIT1515	1.85	150	.577	50NIT1515	3.10	150	.884	120NIT1515	9.40
200	.353	25NIT2015	1.85	200	.500	50NIT2015	3.10	200	.775	120NIT2015	9.40
250	.316	25NIT2515	1.85	250	.477	50NIT2515	3.10	250	.692	120NIT2515	9.40
500	.223	25NIT5015	1.85	500	.316	50NIT5015	3.10	390	.575	120NIT3915	9.40
600	.204	25NIT6015	1.85	600	.289	50NIT6015	3.10	500	.490	120NIT5015	9.40
750	.182	25NIT7515	1.85	750	.258	50NIT7515	3.10	600	.446	120NIT6015	9.40
1000	.158	25NIT1025	1.85	1000	.223	50NIT1025	3.10	750	.400	120NIT7515	9.40
1500	.129	25NIT1525	2.00	1500	.182	50NIT1525	3.10	1000	.346	120NIT1025	9.40
2000	.111	25NIT2025	2.00	2000	.158	50NIT2025	3.10	1500	.282	120NIT1520	9.40
				2500	.141	50NIT2525	3.10	2000	.245	120NIT2025	9.40
				3000	.129	50NIT3025	3.10	2500	.219	120NIT2525	9.40
				4000	.111	50NIT4025	3.10	3000	.200	120NIT3025	9.40
				5000	.100	50NIT5025	3.10	5000	.154	120NIT5025	9.40
								7500	.126	120NIT7525	10.00
								10000	.109	120NIT1035	10.00
								15000	.089	120NIT1535	10.00
								20000	.077	120NIT2035	10.00
								25000	.069	120NIT2535	10.00
								50000	.049	120NIT5035	10.00

# SPRAGUE RESISTORS

## BLUE JACKET® WIREWOUND RESISTORS

- Blue Jacket Resistors Can Be Used Almost Anywhere—Dependable in Critical Equipment, Yet Priced Low Enough For Radio-TV Service Work.
- Ideal for Point-to-Point, Terminal Board, and Printed Chassis Wiring. Axial Lead Design Provides Secure Mounting; Even Under Severe Vibration.
- Crazeproof Vitreous Enamel Coating Guards Against Humidity and Prevents Failure from Electrolysis. Resists Corrosive Industrial Fumes.
- Thermal Expansion Characteristics of the Ceramic Winding Core and Coating Enamel Are Closely Matched to Withstand Rapid Thermal Changes.
- Hot Spot Rating of 300° C Rise above 40° C Ambient Temperature.
- Standard Resistance Tolerance:  $\pm 5\%$ .



### TYPE 2BJ, 2 WATTS, 3/16" Max. D. x 3/8" Max. L.

Ohms	Max. Ma	Cat. No.	List	Ohms	Max. Ma	Cat. No.	List	Ohms	Max. Ma	Cat. No.	List
1	1414	2BJ1R05	\$.90	47	206	2BJ4705	\$.90	500	63	2BJ5015	\$.90
1.5	1153	2BJ1R55	.90	50	200	2BJ5005	.90	560	59	2BJ5615	.90
2	1000	2BJ2R05	.90	56	188	2BJ5605	.90	600	57	2BJ6015	.90
3	812	2BJ3R05	.90	68	170	2BJ6805	.90	680	53	2BJ6815	.90
4	707	2BJ4R05	.90	75	163	2BJ7505	.90	700	52	2BJ7015	.90
5	632	2BJ5R05	.90	82	155	2BJ8205	.90	800	50	2BJ8015	.90
7.5	509	2BJ7R55	.90	100	141	2BJ1015	.90	820	48	2BJ8215	.90
10	447	2BJ1005	.90	120	128	2BJ1215	.90	900	46	2BJ9015	.90
12	400	2BJ1205	.90	150	115	2BJ1515	.90	1000	44	2BJ1025	.90
15	360	2BJ1505	.90	180	105	2BJ1815	.90	1200	40	2BJ1225	.95
18	331	2BJ1805	.90	200	100	2BJ2015	.90	1400	37	2BJ1425	.95
20	316	2BJ2005	.90	220	94	2BJ2215	.90	1500	36	2BJ1525	.95
22	300	2BJ2205	.90	250	89	2BJ2515	.90	1800	33	2BJ1825	.95
25	282	2BJ2505	.90	270	86	2BJ2715	.90	2000	31	2BJ2025	.95
27	264	2BJ2705	.90	300	81	2BJ3015	.90	2200	30	2BJ2225	.95
30	258	2BJ3005	.90	330	77	2BJ3315	.90	2500	28	2BJ2525	.95
33	246	2BJ3305	.90	390	71	2BJ3915	.90	2700	26	2BJ2725	.95
39	226	2BJ3905	.90	400	70	2BJ4015	.90	3000	25	2BJ3025	.95
40	223	2BJ4005	.90	470	64	2BJ4715	.90	3300	24	2BJ3325	.95
								3500	23	2BJ3525	.95

### TYPE 3BJ, 3 WATTS, 13/64" Max. D. x 17/32" Max. L.

(Replaces Type 151E)

Ohms	Max. Ma	Cat. No.	List	Ohms	Max. Ma	Cat. No.	List	Ohms	Max. Ma	Cat. No.	List
10	548	3BJ1005	\$.90	50	245	3BJ5005	\$.90	220	117	3BJ2215	\$.90
12	500	3BJ1205	.90	56	232	3BJ5605	.90	250	110	3BJ2515	.90
15	446	3BJ1505	.90	68	210	3BJ6805	.90	270	105	3BJ2715	.90
18	409	3BJ1805	.90	82	191	3BJ8205	.90	300	100	3BJ3015	.90
22	370	3BJ2205	.90	100	173	3BJ1015	.90	330	95	3BJ3315	.90
27	334	3BJ2705	.90	120	158	3BJ1215	.90	390	88	3BJ3915	.90
33	302	3BJ3305	.90	150	141	3BJ1515	.90	470	80	3BJ4715	.90
39	278	3BJ3905	.90	180	129	3BJ1815	.90	500	77	3BJ5015	.90
47	243	3BJ4705	.90	200	123	3BJ2015	.90	560	73	3BJ5615	.90

# SPRAGUE RESISTORS

## TYPE 3BJ, 3 WATTS, continued

Ohms	Max. Ma	Cat. No.	List	Ohms	Max. Ma	Cat. No.	List	Ohms	Max. Ma	Cat. No.	List
680	66	3BJ6815	\$.90	2000	39	3BJ2025	\$.95	4700	25	3BJ4725	\$.95
820	60	3BJ8215	.90	2200	37	3BJ2225	.95	5000	24	3BJ5025	.95
1000	55	3BJ1025	.90	2500	35	3BJ2525	.95	5600	23	3BJ5625	1.00
1200	50	3BJ1225	.95	2700	33	3BJ2725	.95	6800	21	3BJ6825	1.00
1500	45	3BJ1525	.95	3300	30	3BJ3325	.95	8200	19	3BJ8225	1.00
1800	41	3BJ1825	.95	3900	28	3BJ3925	.95	10000	15	3BJ1035	1.00

## TYPE 5BJ, 5 WATTS, 13/64" Max. D. x 15/16" Max. L.

(Replaces Type 27E)

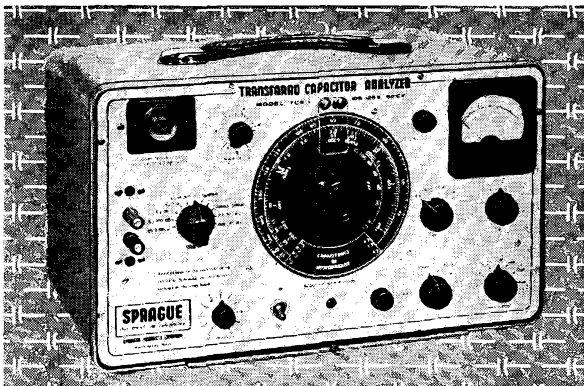
Ohms	Max. Ma	Cat. No.	List	Ohms	Max. Ma	Cat. No.	List	Ohms	Max. Ma	Cat. No.	List
1	2236	5BJ1R05	\$.95	200	158	5BJ2015	\$.95	2200	47	5BJ2225	\$1.00
1.5	1928	5BJ1R55	.95	220	150	5BJ1215	.95	2500	44	5BJ2525	1.00
2	1581	5BJ2R05	.95	250	141	5BJ2515	.95	3000	40	5BJ3025	1.00
3	1356	5BJ3R05	.95	300	129	5BJ3015	.95	3500	37	5BJ3525	1.00
4	1118	5BJ4R05	.95	350	122	5BJ3515	.95	4000	35	5BJ4025	1.00
5	1000	5BJ5R05	.95	400	112	5BJ4015	.95	4500	33	5BJ4525	1.00
7.5	862	5BJ7R55	.95	450	106	5BJ4515	.95	5000	31	5BJ5025	1.00
10	707	5BJ1005	.95	500	100	5BJ5015	.95	6000	28	5BJ6025	1.05
12	646	5BJ1205	.95	600	91	5BJ6015	.95	7000	26	5BJ7025	1.05
15	587	5BJ1505	.95	700	84	5BJ7015	.95	7500	25	5BJ7525	1.05
20	500	5BJ2005	.95	750	82	5BJ7515	.95	8000	25	5BJ8025	1.05
25	447	5BJ2505	.95	800	79	5BJ8015	.95	9000	23	5BJ9025	1.05
30	406	5BJ3005	.95	900	74	5BJ9015	.95	10000	22	5BJ1035	1.05
35	377	5BJ3505	.95	1000	70	5BJ1025	.95	12000	20	5BJ1235	1.15
40	354	5BJ4005	.95	1100	67	5BJ1125	1.00	14000	18	5BJ1435	1.15
50	316	5BJ5005	.95	1200	64	5BJ1225	1.00	15000	18	5BJ1535	1.15
75	258	5BJ7505	.95	1400	63	5BJ1425	1.00	18000	16	5BJ1835	1.15
100	224	5BJ1015	.95	1500	57	5BJ1525	1.00	20000	15	5BJ2035	1.15
120	205	5BJ1215	.95	1800	53	5BJ1825	1.00	22000	15	5BJ2235	1.20
150	183	5BJ1515	.95	2000	50	5BJ2025	1.00	25000	14	5BJ2535	1.20
								30000	13	5BJ3035	1.20

## TYPE 10BJ, 10 WATTS, 5/16" Max. D. x 1 3/4" Max. L.

(Replaces Type 28E)

Ohms	Max. Ma	Cat. No.	List	Ohms	Max. Ma	Cat. No.	List	Ohms	Max. Ma	Cat. No.	List
1	3162	10BJ1R05	\$1.05	250	200	10BJ2515	\$1.00	3900	51	10BJ3925	\$1.10
1.5	2701	10BJ1R55	1.05	300	182	10BJ3015	1.00	4000	50	10BJ4025	1.10
2	2236	10BJ2R05	1.05	350	170	10BJ3515	1.00	4500	47	10BJ4525	1.10
3	1918	10BJ3R05	1.05	400	158	10BJ4015	1.00	5000	45	10BJ5025	1.10
4	1581	10BJ4R05	1.05	450	148	10BJ4515	1.00	6000	41	10BJ6025	1.25
5	1414	10BJ5R05	1.05	500	141	10BJ5015	1.00	7000	38	10BJ7025	1.25
7.5	1252	10BJ7R55	1.05	600	129	10BJ6015	1.00	7500	36	10BJ7525	1.25
10	1000	10BJ1005	1.05	700	119	10BJ7015	1.00	8000	35	10BJ8025	1.25
12	911	10BJ1205	1.00	750	115	10BJ7515	1.00	8500	34	10BJ8525	1.25
15	830	10BJ1505	1.00	800	112	10BJ8015	1.00	9000	33	10BJ9025	1.25
20	707	10BJ2005	1.00	900	105	10BJ9015	1.00	10000	32	10BJ1035	1.25
25	632	10BJ2505	1.00	1000	100	10BJ1025	1.00	11000	30	10BJ1135	1.40
30	575	10BJ3005	1.00	1100	95	10BJ1125	1.10	12000	29	10BJ1235	1.40
35	539	10BJ3505	1.00	1200	91	10BJ1225	1.10	15000	25	10BJ1535	1.40
40	500	10BJ4005	1.00	1500	81	10BJ1525	1.10	16000	25	10BJ1635	1.40
50	447	10BJ5005	1.00	1800	75	10BJ1825	1.10	18000	23	10BJ1835	1.40
75	365	10BJ7505	1.00	2000	71	10BJ2025	1.10	20000	21	10BJ2035	1.40
100	316	10BJ1015	1.00	2200	67	10BJ2225	1.10	25000	20	10BJ2535	1.50
120	288	10BJ1215	1.00	2500	63	10BJ2525	1.10	30000	18	10BJ3035	1.50
150	259	10BJ1515	1.00	3000	57	10BJ3025	1.10	35000	17	10BJ3535	1.50
200	224	10BJ2015	1.00	3300	55	10BJ3325	1.10	40000	16	10BJ4035	1.50
220	213	10BJ2215	1.00	3500	54	10BJ3525	1.10	45000	15	10BJ4535	1.65
								50000	14	10BJ5035	1.65

# SPRAGUE TEST EQUIPMENT



The Transfarad is specifically designed to safely test all low-voltage, low-leakage aluminum, tantalum, film, paper, and ceramic capacitors used in transistorized circuits. A must for modern industrial laboratories and electronic service shops.

MODEL TCA-1 TRANSFARAD 115 VAC/60cy \$197.50 net  
MODEL TCA-1S TRANSFARAD 115/230 VAC, 50cy \$232.50 net

#### TRANSFARADS FOR RACK MOUNTING

Electrically identical to the above instruments, these models have a standard 19" w. x 10½" h. panel so that they can be mounted in the conventional relay rack.

MODEL TCA-1RM .....115VAC/60cy..... \$207.50 net  
MODEL TCA-1SRM .....115/230 VAC, 50cy..... \$242.50 net

## TCA-1 TRANSFARAD®

THE FIRST ANALYZER SPECIFICALLY DESIGNED TO SAFELY TEST TRANSISTOR CIRCUIT CAPACITORS

- **CAPACITANCE BRIDGE** measures 1 $\mu$ F to 2000 $\mu$ F in five overlapping ranges. Only 0.5 volt is applied to the bridge from a continuously adjustable power supply. The voltage across the capacitor is less than this applied voltage, the amplitude depending on the capacitance being measured. No possibility of overheating or deforming any low voltage capacitor during measurements.
- **INSULATION RESISTANCE** directly read from 50 megohms to 20,000 megohms. Only 25v d-c is applied, permitting measurements on low voltage ceramic, mica, and film capacitors. IR of ceramics rated below 25v may be calculated from leakage current measurements at exact rated voltage.
- **LEAKAGE CURRENT** measured directly on meter at exact rated d-c voltage of capacitor. Sensitive circuit makes full scale measurements from 0.6  $\mu$ a to 600 $\mu$ a in seven ranges.
- **POWER FACTOR** measured by Wien bridge from 0 to 50 per cent.
- **MAGIC EYE** null detector in high-gain amplifier has sensitivity control permitting accurate measurement of small capacitors.
- **SHORT-TIME STABILITY** is assured by dual regulation of the power supply. Specially processed etched circuits and complete encapsulation of the critical bridge-null amplifier insure long-time stability.
- **BINDING POSTS** are shielded against strays, assuring greater accuracy during low capacitance measurements.
- **FOR SAFETY** the capacitor under test is automatically discharged after testing. Three wire line cord grounds instrument case.
- **OPERATING PROCEDURES** are clearly shown on convenient pull-out slide.

## TO-6 TEL-OHMIKE® CAPACITOR ANALYZER



The TO-6 TEL-OHMIKE capacitor analyzer is a must for checking all capacitors. It is a moderately priced instrument with laboratory quality and accuracy—the highest accuracy of any instrument of its type available to the service trade!

#### TEL-OHMIKES FOR RACK MOUNTING

Electrically identical to TO-6 and TO-6S. These models have a standard 19" w. x 10½" h. panel so that it can be mounted in standard relay racks.

MODEL TO-6RM .....115 VAC/50-60 cy.....\$109.50  
MODEL TO-6SRM .....115-230 V/50 cy..... 115.75

- **CAPACITANCE BRIDGE** measures up to 2000  $\mu$ F. Five overlapping ranges include exclusive 1 pF to 100 pF range. Special shielded transformer for bridge voltage. Extremely low AC voltage; 1.35 volts for electrolytic capacitors, 2.85 for all others, permits safe testing of all low voltage capacitors.
- **INSULATION RESISTANCE** of papers, ceramics and micas directly read on large meter. No guessing with neon lamps. Dual range—to 10K $\Omega$ @ 30V for low voltage units . . . to 50K $\Omega$ @ 150V for higher voltage components. Fast charge feature speeds testing of high capacitance units.
- **LEAKAGE CURRENT** of electrolytics measured directly on meter. Four ranges; .06, .6, 6, and 60 $\mu$ A. Three ranges of DC voltage (continuously variable within each range) permit testing capacitors at exact rated voltage up to 600 volts.
- **POWER FACTOR** of electrolytics, up to 50% measured by Wien Bridge.
- **METER PROTECTOR** of solid-state design allows severe accidental over-loads without burn-outs.
- **MAGIC-EYE TUBE** simplifies bridge balancing for capacitance and power factor measurements. High gain amplifier provides greatly improved sensitivity.
- **PUSH-BUTTONS** color-keyed for instant range selection.
- **MODERN CASE:** Silver-grey hammertone finish, panel is charcoal grey with highly contrasting white designations. Measures 8¾" high, 14¾" wide, 6¼" deep. Weight only 12½ pounds.

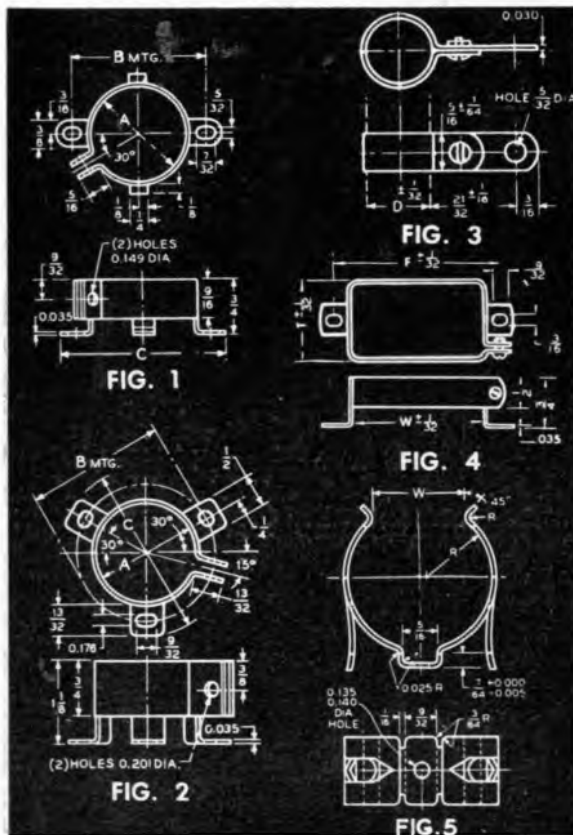
MODEL TO-6 .....115 VAC/50-60 cy.....\$ 99.50  
MODEL TO-6S .....115-230 V/50 cy..... 105.75



# SPRAGUE CAPACITOR HARDWARE

## CAPACITOR HARDWARE

- Sprague Mounting Hardware Provides a Quick Dependable Means for Securing a Wide Variety of Capacitors and Resistors to a Mounting Surface
- All Mounting Hardware is Made from Heavy-gage Plated Steel



### VERTICAL MOUNTING CLAMPS FOR CYLINDRICAL CAPACITORS

Catalog No.	A Diameter	B Mounting	Figure No.	List Price
CMC-16	1	1 $\frac{1}{8}$	1	\$.25
CMC-20	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1	.25
CMC-22	1 $\frac{3}{8}$	1 $\frac{3}{4}$	1	.25
CMC-24	1 $\frac{1}{2}$	1 $\frac{3}{4}$	1	.30
CMC-28	1 $\frac{3}{4}$	2 $\frac{1}{8}$	1	.30
CMC-28A*	1 $\frac{3}{4}$	2 $\frac{1}{8}$	2	.30
CMC-32	2	2 $\frac{1}{2}$	2	.60
CMC-33	2 $\frac{1}{8}$	2 $\frac{1}{8}$	2	.60
CMC-40	2 $\frac{1}{2}$	3	2	.60
CMC-41	2 $\frac{1}{8}$	3 $\frac{1}{8}$	2	.60
CMC-48	3	3 $\frac{1}{2}$	2	.60
CMC-49	3 $\frac{1}{8}$	3 $\frac{1}{8}$	2	.60

### WRAP AROUND CLAMPS FOR RECTANGULAR CAPACITORS

Catalog No.	Dimensions			Figure No.	List Price
	T	W	F		
RMC-17	1 $\frac{1}{8}$	1 $\frac{3}{8}$	2 $\frac{1}{4}$	4	\$0.50
RMC-19	1 $\frac{1}{4}$	2 $\frac{1}{2}$	3	4	.50
RMC-20	1 $\frac{1}{4}$	3 $\frac{1}{4}$	4 $\frac{3}{8}$	4	.50
RMC-28	1 $\frac{3}{4}$	3 $\frac{1}{4}$	4 $\frac{3}{8}$	4	.50
RMC-36	2 $\frac{1}{4}$	3 $\frac{1}{4}$	4 $\frac{3}{8}$	4	.55
RMC-40	2 $\frac{1}{2}$	3 $\frac{1}{4}$	4 $\frac{3}{8}$	4	.55
RMC-51	3 $\frac{1}{8}$	3 $\frac{1}{4}$	4 $\frac{3}{8}$	4	.60
RMC-73	4 $\frac{1}{8}$	3 $\frac{1}{4}$	4 $\frac{3}{8}$	4	.65

### MOUNTING STRAPS FOR TUBULAR CAPACITORS

Catalog No.	Tube Diameter	Figure No.	List Price	Catalog No.	Tube Diameter	Figure No.	List Price
TMS-4	1/4"	3	\$0.06	TMS-14	7/8"	3	\$0.06
TMS-5	3/8"	3	.06	TMS-15	1 1/8"	3	.06
TMS-6	3/8"	3	.06	TMS-16	1"	3	.10
TMS-7	7/8"	3	.06	TMS-17	1 1/8"	3	.10
TMS-8	1/2"	3	.06	TMS-18	1 1/8"	3	.10
TMS-9	5/8"	3	.06	TMS-19	1 1/8"	3	.10
TMS-10	5/8"	3	.06	TMS-20	1 1/4"	3	.15
TMS-11	1 1/8"	3	.06	TMS-21	1 3/8"	3	.15
TMS-12	3/4"	3	.06	TMS-22	1 3/8"	3	.15
TMS-13	1 1/8"	3	.06				

### HORIZONTAL MOUNTING CLIPS FOR CYLINDRICAL CAPACITORS

Catalog No.	Capacitor Diameter	Figure No.	List Price	Catalog No.	Capacitor Diameter	Figure No.	List Price
UMC-6	3/8"	5	\$0.06	UMC-14	7/8"	5	\$0.06
UMC-8	1/2"	5	.06	UMC-16	1"	5	.10
UMC-10	5/8"	5	.06	UMC-22	1 3/8"	5	.15
UMC-12	3/4"	5	.06				

# **SEVEN REASONS WHY SPRAGUE CAPACITOR ASSORTMENTS WILL BENEFIT YOUR BUSINESS!**

- 1** **A NEATER SHOP IS A MORE PLEASANT SHOP.** When you set up your Sprague capacitor stocks in a planned capacitor section, there's a place for everything with everything in its place. A clean shop makes a good impression on your customers, too.
- 2** **CAPACITORS ALWAYS AT YOUR FINGERTIPS.** Should you need a certain type in a specific rating, you know you've got it. No hunting, no waiting—repair jobs go out on time. And improved efficiency means increased profits.
- 3** **BALANCED INVENTORIES—NO DEAD STOCK.** Only the most popular, most-frequently-used ratings are included in Sprague Assortments. Every capacitor is one that you need and use in your regular service work. No dogs here—no money tied up in slow-moving items.
- 4** **COMPLETE FAMILIARITY WITH CAPACITOR STOCK.** You know at a glance what you have on hand, which items should be reordered. Custom-designed cabinets and cases with clearly identified compartments make inventory-taking quick and easy.
- 5** **SPEEDY REORDERING OF NEEDED CAPACITORS.** Whether you handle reorders yourself, or let your distributor's salesman do it for you, Sprague Assortments are designed for fast checking of stock and will save time all around.
- 6** **CONVERT WASTED TIME TO PRODUCTIVE TIME.** No need to run to your distributor every time you want a capacitor—no need to waste hours searching through messy parts bins. Sprague Assortments let you spend more time profitably at the service bench.
- 7** **CABINETS & CASES AT NO COST TO YOU!** When you buy Sprague Capacitor Assortments, you pay for capacitors only—the custom-designed cabinets and cases are yours absolutely FREE!

**CONTACT YOUR SPRAGUE DISTRIBUTOR TODAY!  
LEARN ABOUT THE MOST COMPREHENSIVE SERIES  
OF CAPACITOR STOCK CABINETS AND CASES EVER  
DESIGNED FOR THE RADIO-TV SERVICE TRADE!**



**Don't Be Vague...ask for SPRAGUE**

- **CERAMIC CAPACITORS • PAPER CAPACITORS**
- **MICA CAPACITORS • ELECTROLYTIC CAPACITORS**
- **CERAMIC PRINTED CIRCUITS • FILM CAPACITORS**
- **NOISE FILTERS • WIREWOUND RESISTORS**
- **CAPACITOR TEST EQUIPMENT**



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**NORTH ADAMS, MASSACHUSETTS**

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