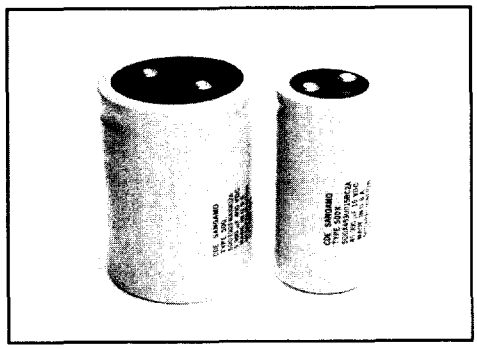
Long Life, High Ripple Computer Grade

Type 500 - Best Value/Type 500X - Max Capacitance/Type 500R - Max Ripple



Designed for mainframe computers and other long life power supply filters applications, Type 500 delivers nearly the capacitance of the Type DCM but with 2 to 3 times the life. Type 500R is the best value for high ripple applications.

Performance Highlights:

- Capacitance 66 uF to 1,000,000 uF
- Voltage 6.3 Vdc to 450 Vdc
- Operating temperature -40°C to +95°C
- 2000 hours load life test at +95°C
- 1500 hours full-ripple life test at +85°C
- 250 hours shelf life test at +95°C
- Standard capacitance tolerances
  - < 200 Vdc — -10 to +75%
  - ≥ 200 Vdc — -10 to +50%

Leakage current (uA)

- ≤ 250,000 CV: ≤ .006 CV uA
- > 250,000 CV: ≤ 0.003 CV uA (4 mA max)

Ratings:

Capacitance uF	ESR max ohms 120Hz	ESR max ohms 20kHz	Ripple amps 85°C 120Hz	Ripple amps 85°C 20kHz	Nominal Case Size D x L (inches)	Catalog Number
6.3 Vdc — 8 Vdc Surge						
24000	0.0510	0.0350	6.0	8.6	1⅜ x 1⅝	500243U6R3AK2B
32000	0.0510	0.0350	6.9	10.0	1⅜ x 1⅝	500R323U6R3AK2B
33000	0.0510	0.0350	6.0	8.6	1⅜ x 1⅝	500X333U6R3AK2B
36000	0.0340	0.0240	7.7	11.0	1⅜ x 2⅛	500363U6R3AA2B
48000	0.0300	0.0210	9.5	13.6	1⅜ x 2⅛	500R483U6R3AA2B
50000	0.0300	0.0210	8.3	11.8	1⅜ x 2⅛	500X503U6R3AA2B
52000	0.0240	0.0170	9.5	13.3	1⅜ x 2⅝	500523U6R3AH2B
68000	0.0190	0.0130	10.8	14.8	1⅜ x 3⅛	500683U6R3AB2B
69000	0.0210	0.0150	11.8	16.4	1⅜ x 2⅝	500R693U6R3AH2B
72000	0.0230	0.0160	9.8	13.7	1⅜ x 2⅝	500X723U6R3AH2B
90000	0.0160	0.0120	13.4	18.4	1⅜ x 3⅛	500R903U6R3AB2B
94000	0.0190	0.0130	10.8	14.8	1⅜ x 3⅛	500X943U6R3AB2B
100000	0.0140	0.0100	12.8	16.7	1⅜ x 4⅛	500104U6R3AC2B
130000	0.0140	0.0100	14.7	19.3	1⅜ x 4⅛	500R134U6R3AC2B
140000	0.0140	0.0110	14.7	18.2	2 x 3⅛	500144U6R3BB2B
140000	0.0140	0.0100	12.8	16.7	1⅜ x 4⅛	500X144U6R3AC2B
150000	0.0110	0.0081	13.7	17.0	1⅜ x 5⅝	500154U6R3AF2B
160000	0.0120	0.0095	14.2	16.7	1¾ x 4⅛	500164U6R3EC2B
180000	0.0130	0.0100	17.9	22.2	2 x 3⅛	500R184U6R3BB2B
190000	0.0130	0.0100	15.5	19.2	2 x 3⅛	500X194U6R3BB2B
200000	0.0110	0.0081	15.8	19.6	1⅜ x 5⅝	500R204U6R3AF2B
200000	0.0110	0.0086	13.3	16.4	1⅜ x 5⅝	500X204U6R3AF2B
210000	0.0100	0.0074	18.0	21.9	2 x 4⅛	500214U6R3BC2B
220000	0.0120	0.0094	16.4	19.2	1¾ x 4⅛	500R224U6R3EC2B
230000	0.0094	0.0073	16.1	18.9	1¾ x 4⅛	500X234U6R3EC2B
280000	0.0087	0.0066	21.9	26.7	2 x 4⅛	500R284U6R3BC2B
290000	0.0100	0.0073	18.0	21.9	2 x 4⅛	500X294U6R3BC2B
320000	0.0069	0.0053	20.7	24.5	2 x 5⅝	500324U6R3BF2B
350000	0.0068	0.0054	24.0	27.7	2½ x 4⅛	500354U6R3CC2B
430000	0.0062	0.0048	25.3	29.8	2 x 5⅝	500R434U6R3BF2B
450000	0.0069	0.0053	20.7	24.5	2 x 5⅝	500X454U6R3BF2B
460000	0.0061	0.0048	29.2	33.7	2½ x 4⅛	500R464U6R3CC2B
480000	0.0068	0.0054	24.0	27.7	2½ x 4⅛	500X484U6R3CC2B
490000	0.0064	0.0055	25.3	27.4	3 x 4⅛	500494U6R3DC2B
530000	0.0049	0.0040	28.0	31.7	2½ x 5⅝	500534U6R3CF2B
630000	0.0056	0.0048	30.8	33.3	3 x 4⅛	500R634U6R3DC2B
660000	0.0051	0.0044	28.8	30.9	3 x 5⅛	500664U6R3DE2B

Capacitance uF	ESR max ohms 120Hz	ESR max ohms 20kHz	Ripple amps 85°C 120Hz	Ripple amps 85°C 20kHz	Nominal Case Size D x L (inches)	Catalog Number
6.3 Vdc — 8 Vdc Surge						
660000	0.0062	0.0053	25.3	27.4	3 x 4⅛	500X664U6R3DC2B
690000	0.0044	0.0035	34.1	38.6	2½ x 5⅝	500R694U6R3CF2B
730000	0.0049	0.0039	28.0	31.7	2½ x 5⅝	500X734U6R3CF2B
750000	0.0047	0.0041	30.0	32.1	3 x 5⅝	500754U6R3DF2B
780000	0.0045	0.0040	30.3	32.4	3 x 5⅞	500784U6R3DP2B
850000	0.0044	0.0039	35.0	37.6	3 x 5⅛	500R854U6R3DE2B
890000	0.0049	0.0043	28.8	30.9	3 x 5⅛	500X894U6R3DE2B
960000	0.0041	0.0036	36.5	39.1	3 x 5⅝	500R964U6R3DF2B
1000000	0.0040	0.0035	36.9	39.4	3 x 5⅞	500R105U6R3DP2B
1000000	0.0044	0.0039	30.3	32.4	3 x 5⅞	500X105U6R3DP2B
1000000	0.0045	0.0040	30.0	32.1	3 x 5⅝	500X105U6R3DE2B
7.5 Vdc — 9 Vdc Surge						
22000	0.0510	0.0350	5.9	8.6	1⅜ x 1⅝	500223U7R5AK2B
29000	0.0510	0.0350	6.8	10.0	1⅜ x 1⅝	500R293U7R5AK2B
32000	0.0510	0.0350	5.9	8.6	1⅜ x 1⅝	500X323U7R5AK2B
33000	0.0350	0.0240	7.6	11.0	1⅜ x 2⅛	500333U7R5AA2B
43000	0.0300	0.0210	9.4	13.6	1⅜ x 2⅛	500R433U7R5AA2B
48000	0.0240	0.0170	9.4	13.3	1⅜ x 2⅝	500483U7R5AH2B
48000	0.0300	0.0210	8.2	11.8	1⅜ x 2⅛	500X483U7R5AA2B
62000	0.0210	0.0150	11.7	16.4	1⅜ x 2⅝	500R623U7R5AH2B
62000	0.0190	0.0130	10.7	14.8	1⅜ x 3⅛	500623U7R5AB2B
69000	0.0230	0.0160	9.7	13.7	1⅜ x 2⅝	500X693U7R5AH2B
81000	0.0170	0.0120	13.3	18.4	1⅜ x 3⅛	500R813U7R5AB2B
90000	0.0190	0.0130	10.7	14.8	1⅜ x 3⅛	500X903U7R5AB2B
92000	0.0140	0.0100	12.6	16.7	1⅜ x 4⅛	500923U7R5AC2B
120000	0.0140	0.0100	14.6	19.3	1⅜ x 4⅛	500R124U7R5AC2B
130000	0.0140	0.0110	14.6	18.2	2 x 3⅛	500134U7R5BB2B
130000	0.0140	0.0100	12.6	16.7	1⅜ x 4⅛	500X134U7R5AC2B
140000	0.0110	0.0081	13.6	17.0	1⅜ x 5⅝	500144U7R5AF2B
150000	0.0120	0.0095	14.1	16.7	1¾ x 4⅛	500154U7R5EC2B
170000	0.0130	0.0100	17.7	22.2	2 x 3⅛	500R174U7R5BB2B
180000	0.0110	0.0081	15.7	19.6	1⅜ x 5⅝	500R184U7R5AF2B
180000	0.0130	0.0100	15.4	19.2	2 x 3⅛	500X184U7R5BB2B
190000	0.0100	0.0074	17.9	21.9	2 x 4⅛	500194U7R5BC2B
200000	0.0120	0.0094	16.3	19.2	1¾ x 4⅛	500R204U7R5EC2B
200000	0.0120	0.0086	13.2	16.4	1⅜ x 5⅝	500X204U7R5AF2B

Capacitance uF	ESR max ohms 120Hz, 20kHz		Ripple amps 85°C 120Hz, 20kHz		Nominal Case Size D x L (inches)	Catalog Number
7.5 Vdc — 9 Vdc Surge						
220000	0.0095	0.0073	16.0	18.9	1¾ x 4⅛	500X224U7R5EC2B
250000	0.0088	0.0066	21.8	26.7	2 x 4⅛	500R254U7R5BC2B
280000	0.0100	0.0073	17.9	21.9	2 x 4⅛	500X284U7R5BC2B
300000	0.0070	0.0053	20.6	24.5	2 x 5⅝	500304U7R5BF2B
320000	0.0069	0.0054	23.9	27.7	2½ x 4⅛	500324U7R5CC2B
390000	0.0062	0.0048	25.1	29.8	2 x 5⅝	500R394U7R5BF2B
410000	0.0061	0.0048	29.1	33.7	2½ x 4⅛	500R414U7R5CC2B
430000	0.0069	0.0053	20.6	24.5	2 x 5⅝	500X434U7R5BF2B
450000	0.0064	0.0055	25.3	27.4	3 x 4⅛	500454U7R5DC2B
460000	0.0068	0.0054	23.9	27.7	2½ x 4⅛	500X464U7R5CC2B
490000	0.0049	0.0040	27.9	31.7	2½ x 5⅝	500494U7R5CF2B
570000	0.0056	0.0048	30.8	33.3	3 x 4⅛	500R574U7R5DC2B
610000	0.0051	0.0044	28.7	30.9	3 x 5⅛	500614U7R5DE2B
630000	0.0044	0.0035	33.9	38.6	2½ x 5⅝	500R634U7R5CF2B
630000	0.0062	0.0053	25.3	27.4	3 x 4⅛	500X634U7R5DC2B
690000	0.0047	0.0041	29.9	32.1	3 x 5⅝	500694U7R5DF2B
690000	0.0049	0.0039	27.9	31.7	2½ x 5⅝	500X694U7R5CF2B
720000	0.0045	0.0040	30.2	32.4	3 x 5⅞	500742U7R5DP2B
770000	0.0045	0.0039	34.9	37.6	3 x 5⅛	500R774U7R5DE2B
850000	0.0050	0.0043	28.7	30.9	3 x 5⅛	500X854U7R5DE2B
870000	0.0041	0.0036	36.4	39.1	3 x 5⅝	500R874U7R5DF2B
910000	0.0040	0.0035	36.8	39.4	3 x 5⅞	500R914U7R5DP2B
960000	0.0046	0.0040	29.9	32.1	3 x 5⅝	500X964U7R5DF2B
1000000	0.0044	0.0039	30.2	32.4	3 x 5⅞	500X105U7R5DP2B
10 Vdc — 12 Vdc Surge						
16000	0.0510	0.0350	5.9	8.6	1⅜ x 1⅝	500163U010AK2B
24000	0.0350	0.0240	7.6	11.0	1⅜ x 2⅛	500243U010AA2B
25000	0.0510	0.0350	6.8	10.0	1⅜ x 1⅝	500R253U010AK2B
25000	0.0510	0.0350	5.9	8.6	1⅜ x 1⅝	500X253U010AK2B
34000	0.0240	0.0170	9.4	13.2	1⅜ x 2⅝	500343U010AH2B
38000	0.0300	0.0210	9.4	13.6	1⅜ x 2⅛	500R383U010AA2B
38000	0.0300	0.0210	8.2	11.8	1⅜ x 2⅛	500X383U010AA2B
45000	0.0190	0.0130	10.7	14.8	1⅜ x 3⅛	500453U010AB2B
55000	0.0210	0.0150	11.7	16.4	1⅜ x 2⅝	500R553U010AH2B
55000	0.0230	0.0160	9.7	13.7	1⅜ x 2⅝	500X553U010AH2B
66000	0.0140	0.0100	12.6	16.7	1⅜ x 4⅛	500663U010AC2B
71000	0.0170	0.0120	13.3	18.4	1⅜ x 3⅛	500R713U010AB2B
71000	0.0190	0.0130	10.7	14.8	1⅜ x 3⅛	500X713U010AB2B
92000	0.0140	0.0110	14.6	18.2	2 x 3⅛	500923U010BB2B
98000	0.0110	0.0081	13.6	16.9	1⅜ x 5⅝	500983U010AF2B
100000	0.0140	0.0100	14.6	19.3	1⅜ x 4⅛	500R104U010AC2B
100000	0.0140	0.0100	12.6	16.7	1⅜ x 4⅛	500X104U010AC2B
110000	0.0120	0.0100	14.1	16.7	1¾ x 4⅛	500114U010EC2B
140000	0.0100	0.0074	17.9	21.9	2 x 4⅛	500144U010BC2B
150000	0.0130	0.0100	17.7	22.2	2 x 3⅛	500R154U010BB2B
150000	0.0130	0.0100	15.4	19.2	2 x 3⅛	500X154U010BB2B
160000	0.0110	0.0081	15.7	19.6	1⅜ x 5⅝	500R164U010AF2B
160000	0.0120	0.0086	13.2	16.4	1⅜ x 5⅝	500X164U010AF2B
170000	0.0120	0.0094	16.3	19.2	1¾ x 4⅛	500R174U010EC2B
170000	0.0095	0.0073	16.0	18.9	1¾ x 4⅛	500X174U010EC2B
210000	0.0070	0.0054	20.6	24.5	2 x 5⅝	500214U010BF2B
220000	0.0088	0.0066	21.8	26.6	2 x 4⅛	500R224U010BC2B
220000	0.0100	0.0074	17.9	21.9	2 x 4⅛	500X224U010BC2B
230000	0.0069	0.0054	23.9	27.7	2½ x 4⅛	500234U010CC2B
340000	0.0063	0.0048	25.1	29.8	2 x 5⅝	500R344U010BF2B
340000	0.0066	0.0056	25.3	27.4	3 x 4⅛	500344U010DC2B
340000	0.0069	0.0053	20.6	24.5	2 x 5⅝	500X344U010BF2B
350000	0.0050	0.0040	27.9	31.7	2½ x 5⅝	500354U010CF2B
360000	0.0062	0.0048	29.1	33.7	2½ x 4⅛	500R364U010CC2B
360000	0.0068	0.0054	23.9	27.7	2½ x 4⅛	500X364U010CC2B
450000	0.0052	0.0045	28.7	30.9	3 x 5⅛	500454U010DE2B
510000	0.0057	0.0049	30.8	33.3	3 x 4⅛	500R514U010DC2B
510000	0.0048	0.0042	29.9	32.1	3 x 5⅝	500514U010DF2B
510000	0.0063	0.0054	25.3	27.4	3 x 4⅛	500X514U010DC2B
530000	0.0046	0.0040	30.2	32.4	3 x 5⅞	500534U010DP2B
550000	0.0044	0.0036	33.9	38.6	2½ x 5⅝	500R554U010CF2B
680000	0.0045	0.0039	34.9	37.6	3 x 5⅛	500R684U010DE2B
680000	0.0050	0.0044	28.7	30.9	3 x 5⅛	500X684U010DE2B
770000	0.0042	0.0036	36.4	39.0	3 x 5⅝	500R774U010DF2B
770000	0.0046	0.0040	29.9	32.1	3 x 5⅝	500X774U010DF2B
810000	0.0040	0.0035	36.8	39.4	3 x 5⅞	500R814U010DP2B
810000	0.0045	0.0039	30.2	32.4	3 x 5⅞	500X814U010DP2B

Capacitance uF	ESR max ohms 120Hz, 20kHz		Ripple amps 85°C 120Hz, 20kHz		Nominal Case Size D x L (inches)	Catalog Number
16 Vdc — 20 Vdc Surge						
11000	0.0510	0.0350	5.9	8.6	1⅜ x 1⅝	500113U016AK2B
17000	0.0350	0.0240	7.6	10.9	1⅜ x 2⅛	500173U016AA2B
17000	0.0510	0.0350	6.8	9.9	1⅜ x 1⅝	500R173U016AK2B
17000	0.0510	0.0350	5.9	8.6	1⅜ x 1⅝	500X173U016AK2B
24000	0.0240	0.0170	9.4	13.2	1⅜ x 2⅝	500243U016AH2B
25000	0.0300	0.0210	9.4	13.6	1⅜ x 2⅛	500R253U016AA2B
25000	0.0300	0.0210	8.2	11.7	1⅜ x 2⅛	500X253U016AA2B
32000	0.0190	0.0130	10.7	14.8	1⅜ x 3⅛	500323U016AB2B
36000	0.0210	0.0150	11.7	16.4	1⅜ x 2⅝	500R363U016AH2B
36000	0.0230	0.0160	9.7	13.7	1⅜ x 2⅝	500X363U016AH2B
47000	0.0170	0.0120	13.3	18.3	1⅜ x 3⅛	500R473U016AB2B
47000	0.0140	0.0100	12.6	16.7	1⅜ x 4⅛	500473U016AC2B
47000	0.0190	0.0130	10.7	14.8	1⅜ x 3⅛	500X473U016AB2B
65000	0.0140	0.0110	14.6	18.2	2 x 3⅛	500653U016BB2B
69000	0.0140	0.0100	14.6	19.2	1⅜ x 4⅛	500R693U016AC2B
69000	0.0110	0.0081	13.6	16.9	1⅜ x 5⅝	500693U016AF2B
69000	0.0140	0.0100	12.6	16.7	1⅜ x 4⅛	500X693U016AC2B
78000	0.0120	0.0100	14.1	16.6	1¾ x 4⅛	500783U016EC2B
96000	0.0130	0.0100	17.7	22.1	2 x 3⅛	500R963U016BB2B
96000	0.0130	0.0100	15.4	19.2	2 x 3⅛	500X963U016BB2B
100000	0.0100	0.0074	17.9	21.9	2 x 4⅛	5001004U016BC2B
100000	0.0110	0.0081	15.7	19.5	1⅜ x 5⅝	500R104U016AF2B
100000	0.0120	0.0086	13.2	16.4	1⅜ x 5⅝	500X104U016AF2B
110000	0.0120	0.0100	16.3	19.2	1¾ x 4⅛	500R114U016EC2B
110000	0.0100	0.0074	16.0	18.9	1¾ x 4⅛	500X114U016EC2B
150000	0.0088	0.0066	21.8	26.6	2 x 4⅛	500R154U016BC2B
150000	0.0070	0.0054	20.6	24.5	2 x 5⅝	500154U016BF2B
150000	0.0100	0.0074	17.9	21.9	2 x 4⅛	500X154U016BC2B
160000	0.0069	0.0055	23.9	27.7	2½ x 4⅛	500164U016CC2B
220000	0.0063	0.0048	25.1	29.8	2 x 5⅝	500R224U016BF2B
220000	0.0070	0.0054	20.6	24.5	2 x 5⅝	500X224U016BF2B
240000	0.0062	0.0049	29.1	33.7	2½ x 4⅛	500R244U016CC2B
240000	0.0069	0.0054	23.9	27.7	2½ x 4⅛	500X244U016CC2B
240000	0.0067	0.0057	25.3	27.4	3 x 4⅛	500244U016DC2B
250000	0.0050	0.0040	27.9	31.7	2½ x 5⅝	500254U016CF2B
320000	0.0053	0.0046	28.7	30.9	3 x 5⅛	500324U016DE2B
350000	0.0059	0.0050	30.8	33.3	3 x 4⅛	500R354U016DC2B
350000	0.0065	0.0056	25.3	27.4	3 x 4⅛	500X354U016DC2B
370000	0.0045	0.0036	33.9	38.5	2½ x 5⅝	500R374U016CF2B
370000	0.0048	0.0042	29.9	32.1	3 x 5⅝	500374U016DF2B
370000	0.0049	0.0040	27.9	31.7	2½ x 5⅝	500X374U016CF2B
380000	0.0047	0.0041	30.2	32.4	3 x 5⅞	500384U016DF2B
470000	0.0046	0.0040	34.9	37.6	3 x 5⅛	500R474U016DE2B
470000	0.0052	0.0045	28.7	30.9	3 x 5⅛	500X474U016DE2B
480000	0.0073	0.0070	22.5	23.0	3 x 8⅝	500484U016DG2B
530000	0.0047	0.0041	29.9	32.1	3 x 5⅝	500X534U016DF2B
550000	0.0041	0.0036	36.8	39.4	3 x 5⅞	500R554U016DP2B
550000	0.0046	0.0040	30.2	32.4	3 x 5⅞	500X554U016DP2B
590000	0.0059	0.0057	27.4	27.9	3 x 8⅝	500R594U016DG2B
590000	0.0065	0.0063	22.5	23.0	3 x 8⅝	500X594U016DG2B
25 Vdc — 30 Vdc Surge						
7500	0.0540	0.0360	5.6	8.5	1⅜ x 1⅝	500752U025AK2B
11000	0.0370	0.0240	7.3	10.8	1⅜ x 2⅛	500113U025AA2B
11000	0.0540	0.0360	6.5	9.8	1⅜ x 1⅝	500R113U025AK2B
11000	0.0540	0.0360	5.6	8.5	1⅜ x 1⅝	500X113U025AK2B
16000	0.0320	0.0210	9.0	13.4	1⅜ x 2⅛	500R163U025AA2B
16000	0.0260	0.0170	9.0	13.1	1⅜ x 2⅝	500163U025AH2B
16000	0.0320	0.0210	7.8	11.6	1⅜ x 2⅛	500X163U025AA2B
21000	0.0200	0.0140	10.3	14.6	1⅜ x 3⅛	500213U025AB2B
23000	0.0220	0.0150	11.2	16.2	1⅜ x 2⅝	500R233U025AH2B
23000	0.0240	0.0160	9.3	13.5	1⅜ x 2⅝	500X233U025AH2B
30000	0.0170	0.0120	12.8	18.1	1⅜ x 3⅛	500R303U025AB2B
30000	0.0200	0.0140	10.3	14.6	1⅜ x 3⅛	500X303U025AB2B
31000	0.0140	0.0100	12.2	16.5	1⅜ x 4⅛	500313U025AC2B
43000	0.0150	0.0110	14.1	18.0	2 x 3⅛	500433U025BB2B
44000	0.0140	0.0100	14.1	19.1	1⅜ x 4⅛	500R443U025AC2B
44000	0.0140	0.0100	12.2	16.5	1⅜ x 4⅛	500X443U025AC2B
46000	0.0110	0.0082	13.2	16.8	1⅜ x 5⅝	500463U025AF2B
52000	0.0130	0.0100	13.8	16.6	1¾ x 4⅛	500523U025EC2B
61000	0.0140	0.0100	17.2	22.0	2 x 3⅛	500R613U025BB2B
61000	0.0140	0.0100	14.9	19.0	2 x 3⅛	500X613U025BB2B
65000	0.0110	0.0082	15.2	19.4	1⅜ x 5⅝	500R653U025AF2B
65000	0.0120	0.0087	12.8	16.3	1⅜ x 5⅝	500X653U025AF2B

• MA (508) 996-8561
• SC (803) 878-6311
Cornell Dubilier

Capacitance uF	ESR max ohms 120Hz	ESR max ohms 20kHz	Ripple amps 85°C 120Hz	Ripple amps 85°C 20kHz	Nominal Case Size D x L (inches)	Catalog Number
25 Vdc — 30 Vdc Surge						
67000	0.0100	0.0075	17.4	21.7	2 x 4⅛	500673U025BC2B
73000	0.0130	0.0100	15.9	19.1	1¾ x 4⅛	500R733U025EC2B
73000	0.0100	0.0075	15.6	18.8	1¾ x 4⅛	500X733U025EC2B
94000	0.0092	0.0067	21.1	26.4	2 x 4⅛	500R943U025BC2B
94000	0.0100	0.0075	17.4	21.7	2 x 4⅛	500X943U025BC2B
100000	0.0073	0.0054	20.1	24.4	2 x 5⅝	500104U025BF2B
110000	0.0072	0.0055	23.3	27.6	2½ x 4⅛	500114U025CC2B
140000	0.0065	0.0049	24.5	29.7	2 x 5⅝	500R144U025BF2B
140000	0.0073	0.0054	20.1	24.4	2 x 5⅝	500X144U025BF2B
150000	0.0065	0.0049	28.4	33.6	2½ x 4⅛	500R154U025CC2B
150000	0.0072	0.0055	23.3	27.6	2½ x 4⅛	500X154U025CC2B
160000	0.0069	0.0058	24.9	27.3	3 x 4⅛	500164U025DC2B
170000	0.0052	0.0040	27.3	31.5	2½ x 5⅝	500174U025CF2B
220000	0.0055	0.0046	28.3	30.8	3 x 5⅛	500224U025DE2B
230000	0.0062	0.0052	30.3	33.3	3 x 4⅛	500R234U025DC2B
230000	0.0068	0.0057	24.9	27.3	3 x 4⅛	500X234U025DC2B
240000	0.0046	0.0036	33.3	38.4	2½ x 5⅝	500R244U025CF2B
240000	0.0051	0.0040	27.3	31.5	2½ x 5⅝	500X244U025CF2B
250000	0.0050	0.0043	29.6	32.0	3 x 5⅝	500254U025DF2B
260000	0.0048	0.0041	29.9	32.3	3 x 5⅞	500264U025DP2B
310000	0.0049	0.0041	34.5	37.5	3 x 5⅛	500R314U025DE2B
310000	0.0054	0.0046	28.3	30.8	3 x 5⅛	500X314U025DE2B
350000	0.0045	0.0038	36.0	39.0	3 x 5⅝	500R354U025DF2B
350000	0.0050	0.0042	29.6	32.0	3 x 5⅝	500X354U025DF2B
350000	0.0079	0.0075	22.5	22.9	3 x 8⅝	500354U025DG2B
360000	0.0043	0.0037	36.4	39.3	3 x 5⅞	500R364U025DP2B
360000	0.0048	0.0041	29.9	32.3	3 x 5⅞	500X364U025DP2B
450000	0.0066	0.0063	27.3	27.9	3 x 8⅝	500R454U025DG2B
450000	0.0074	0.0070	22.5	22.9	3 x 8⅝	500X454U025DG2B
40 Vdc — 50 Vdc Surge						
5100	0.0570	0.0380	5.3	7.4	1⅜ x 1⅝	500512U040AK2B
5300	0.0570	0.0380	6.1	8.5	1⅜ x 1⅝	500R532U040AK2B
6200	0.0570	0.0380	5.3	7.4	1⅜ x 1⅝	500X622U040AK2B
7600	0.0380	0.0260	6.8	9.4	1⅜ x 2⅛	500762U040AA2B
7900	0.0330	0.0220	8.4	11.7	1⅜ x 2⅛	500R792040AA2B
9200	0.0330	0.0220	7.3	10.1	1⅜ x 2⅛	500X922U040AA2B
11000	0.0230	0.0160	10.5	14.3	1⅜ x 2⅝	500R113U040AH2B
11000	0.0270	0.0180	8.4	11.5	1⅜ x 2⅝	500113U040AH2B
13000	0.0250	0.0170	8.7	11.9	1⅜ x 2⅝	500X133U040AH2B
14000	0.0210	0.0140	9.7	13.0	1⅜ x 3⅛	500143U040AB2B
15000	0.0180	0.0120	12.0	16.1	1⅜ x 3⅛	500R153U040AB2B
17000	0.0210	0.0140	9.7	13.0	1⅜ x 3⅛	500X173U040AB2B
21000	0.0150	0.0100	11.5	15.0	1⅜ x 4⅛	500213U040AC2B
22000	0.0150	0.0100	13.3	17.3	1⅜ x 4⅛	500R223U040AC2B
26000	0.0150	0.0100	11.5	15.0	1⅜ x 4⅛	500X263U040AC2B
29000	0.0170	0.0120	12.8	15.4	2 x 3⅛	500293U040BB2B
30000	0.0150	0.0110	15.5	18.8	2 x 3⅛	500R303U040BB2B
31000	0.0120	0.0085	12.6	15.6	1⅜ x 5⅝	500313U040AF2B
32000	0.0120	0.0085	14.5	18.0	1⅜ x 5⅝	500R323U040AF2B
35000	0.0150	0.0110	12.3	14.2	1¾ x 4⅛	500353U040EC2B
36000	0.0150	0.0110	13.4	16.3	2 x 3⅛	500X363U040BB2B
37000	0.0150	0.0110	14.2	16.4	1¾ x 4⅛	500R373U040EC2B
38000	0.0130	0.0091	12.2	15.1	1⅜ x 5⅝	500X383U040AF2B
43000	0.0110	0.0089	14.0	16.1	1¾ x 4⅛	500X433U040EC2B
45000	0.0110	0.0085	15.8	18.8	2 x 4⅛	500453U040BC2B
47000	0.0100	0.0076	19.2	22.9	2 x 4⅛	500R473U040BC2B
55000	0.0110	0.0085	15.8	18.8	2 x 4⅛	500X553U040BC2B
68000	0.0079	0.0061	18.4	21.6	2 x 5⅝	500683U040BF2B
71000	0.0072	0.0055	22.4	26.3	2 x 5⅝	500R713U040BF2B
74000	0.0082	0.0065	20.9	23.8	2½ x 4⅛	500743U040CC2B
77000	0.0074	0.0059	25.4	28.9	2½ x 4⅛	500R773U040CC2B
83000	0.0079	0.0061	18.4	21.6	2 x 5⅝	500X833U040BF2B
90000	0.0082	0.0065	20.9	23.8	2½ x 4⅛	500X903U040CC2B
110000	0.0077	0.0066	26.4	28.2	3 x 4⅛	500R114U040DC2B
110000	0.0058	0.0047	24.7	27.7	2½ x 5⅝	500114U040CF2B
110000	0.0086	0.0074	21.7	23.2	3 x 4⅛	500114U040DC2B
120000	0.0052	0.0042	30.1	33.8	2½ x 5⅝	500R124U040CF2B
130000	0.0085	0.0074	21.7	23.2	3 x 4⅛	500X134U040DC2B
140100	0.0058	0.0047	24.7	27.7	2½ x 5⅝	500X144U040CF2B
150000	0.0060	0.0052	30.3	32.2	3 x 5⅛	500R154U040DE2B
150000	0.0067	0.0058	24.9	26.5	3 x 5⅛	500154U040DE2B
170000	0.0055	0.0048	31.7	33.7	3 x 5⅝	500R174U040DF2B
170000	0.0061	0.0053	26.1	27.7	3 x 5⅝	500174U040DF2B

Capacitance uF	ESR max ohms 120Hz	ESR max ohms 20kHz	Ripple amps 85°C 120Hz	Ripple amps 85°C 20kHz	Nominal Case Size D x L (inches)	Catalog Number
40 Vdc — 50 Vdc Surge						
180000	0.0053	0.0046	32.1	34.1	3 x 5⅞	500R184U040DP2B
180000	0.0059	0.0052	26.4	28.0	3 x 5⅞	500184U040DP2B
180000	0.0067	0.0058	24.9	26.5	3 x 5⅛	500X184U040DE2B
200000	0.0061	0.0053	26.1	27.7	3 x 5⅝	500X204U040DF2B
210000	0.0059	0.0051	26.4	28.0	3 x 5⅞	500X214U040DP2B
270000	0.0100	0.0093	23.8	24.2	3 x 8⅝	500R274U040DG2B
280000	0.0110	0.0110	19.5	19.9	3 x 8⅝	500284U040DG2B
320000	0.0110	0.0100	19.5	19.9	3 x 8⅝	500X324U040DG2B
50 Vdc — 65 Vdc Surge						
3800	0.0620	0.0380	5.7	8.4	1⅜ x 1⅝	500R382U050AK2B
3800	0.0620	0.0380	4.9	7.2	1⅜ x 1⅝	500382U050AK2B
4600	0.0620	0.0380	4.9	7.2	1⅜ x 1⅝	500X462U050AK2B
5700	0.0360	0.0230	7.9	11.5	1⅜ x 2⅛	500R572U050AA2B
5700	0.0420	0.0260	6.4	9.3	1⅜ x 2⅛	500572U050AA2B
6900	0.0360	0.0230	6.9	10.0	1⅜ x 2⅛	500X692U050AA2B
8200	0.0250	0.0160	9.9	14.1	1⅜ x 2⅝	500R822U050AH2B
8300	0.0290	0.0180	7.9	11.3	1⅜ x 2⅝	500832U050AH2B
9900	0.0270	0.0170	8.2	11.7	1⅜ x 2⅝	500X992U050AH2B
11000	0.0200	0.0130	11.3	15.9	1⅜ x 3⅛	500R113U050AB2B
11000	0.0230	0.0150	9.1	12.8	1⅜ x 3⅛	500113U050AB2B
13000	0.0230	0.0150	9.1	12.8	1⅜ x 3⅛	500X133U050AB2B
16000	0.0160	0.0110	12.6	17.1	1⅜ x 4⅛	500R163U050AC2B
16000	0.0160	0.0110	10.9	14.8	1⅜ x 4⅛	500163U050AC2B
19000	0.0160	0.0110	10.9	14.8	1⅜ x 4⅛	500X193U050AC2B
22000	0.0160	0.0110	14.9	18.6	2 x 3⅛	500R223U050BB2B
22000	0.0180	0.0130	12.2	15.3	2 x 3⅛	500223U050BB2B
23000	0.0130	0.0087	13.9	17.8	1⅜ x 5⅝	500R233U050AF2B
24000	0.0130	0.0087	12.0	15.4	1⅜ x 5⅝	500243U050AF2B
26000	0.0160	0.0110	13.8	16.3	1¾ x 4⅛	500R263U050EC2B
27000	0.0160	0.0110	12.9	16.1	2 x 3⅛	500X273U050BB2B
27000	0.0160	0.0110	11.9	14.1	1¾ x 4⅛	500273U050EC2B
28000	0.0130	0.0092	11.6	15.0	1⅜ x 5⅝	500X283U050AF2B
32000	0.0120	0.0089	13.5	16.0	1¾ x 4⅛	500X323U050EC2B
33000	0.0110	0.0077	18.5	22.8	2 x 4⅛	500R333U050BC2B
34000	0.0120	0.0086	15.2	18.7	2 x 4⅛	500343U050BC2B
41000	0.0120	0.0086	15.2	18.7	2 x 4⅛	500X413U050BC2B
51000	0.0076	0.0055	21.7	26.1	2 x 5⅝	500R513U050BF2B
52000	0.0085	0.0061	17.8	21.4	2 x 5⅝	500523U050BF2B
55000	0.0078	0.0059	24.6	28.8	2½ x 4⅛	500R553U050CC2B
56000	0.0087	0.0066	20.2	23.6	2½ x 4⅛	500563U050CC2B
62000	0.0085	0.0061	17.8	21.4	2 x 5⅝	500X623U050BF2B
67000	0.0087	0.0066	20.2	23.6	2½ x 4⅛	500X673U050CC2B
82000	0.0080	0.0067	25.9	28.2	3 x 4⅛	500R823U050DC2B
84000	0.0055	0.0043	29.3	33.6	2½ x 5⅝	500R843U050CF2B
84000	0.0089	0.0075	21.3	23.1	3 x 4⅛	500843U050DC2B
85000	0.0061	0.0047	24.1	27.6	2½ x 5⅝	500853U050CF2B
100000	0.0061	0.0047	24.1	27.6	2½ x 5⅝	500X104U050CF2B
100000	0.0088	0.0074	21.3	23.1	3 x 4⅛	500X104U050DC2B
110000	0.0062	0.0053	29.8	32.2	3 x 5⅛	500R114U050DE2B
110000	0.0069	0.0059	24.5	26.4	3 x 5⅛	500114U050DE2B
120000	0.0056	0.0048	31.2	33.7	3 x 5⅝	500R124U050DF2B
130000	0.0054	0.0047	31.6	34.1	3 x 5⅞	500R134U050DP2B
130000	0.0061	0.0052	26.0	28.0	3 x 5⅞	500134U050DP2B
130000	0.0063	0.0054	25.7	27.6	3 x 5⅝	500134U050DF2B
130000	0.0069	0.0058	24.5	26.4	3 x 5⅛	500X134U050DE2B
150000	0.0063	0.0053	25.7	27.6	3 x 5⅝	500X154U050DF2B
160000	0.0061	0.0052	26.0	28.0	3 x 5⅞	500X164U050DP2B
190000	0.0100	0.0093	23.7	24.2	3 x 8⅝	500R194U050DG2B
210000	0.0120	0.0110	19.5	19.9	3 x 8⅝	500214U050DG2B
240000	0.0110	0.0100	19.5	19.9	3 x 8⅝	500X244U050DG2B
63 Vdc — 75 Vdc Surge						
2500	0.0730	0.0390	5.1	8.2	1⅜ x 1⅝	500R252U063AK2B
2600	0.0730	0.0390	4.4	7.1	1⅜ x 1⅝	500262U063AK2B
3700	0.0430	0.0230	7.1	11.3	1⅜ x 2⅛	500R372U063AA2B
3800	0.0730	0.0390	4.4	7.1	1⅜ x 1⅝	500X382U063AK2B
3900	0.0490	0.0260	5.7	9.1	1⅜ x 2⅛	500392U063AA2B
5400	0.0300	0.0160	8.6	13.9	1⅜ x 2⅝	500R542U063AH2B
5600	0.0350	0.0190	7.1	11.2	1⅜ x 2⅝	500562U063AH2B
5700	0.0430	0.0230	6.1	9.8	1⅜ x 2⅛	500X572U063AA2B
7000	0.0230	0.0130	10.2	15.7	1⅜ x 3⅛	500R702U063AB2B
7400	0.0270	0.0150	8.2	12.6	1⅜ x 3⅛	500742U063AB2B
8200	0.0320	0.0180	7.4	11.6	1⅜ x 2⅝	500X822U063AH2B

Capacitance uF	ESR max ohms 120Hz,	20kHz	Ripple amps 85°C 120Hz,	20kHz	Nominal Case Size D x L (inches)	Catalog Number
63 Vdc — 75 Vdc Surge						
10000	0.0190	0.0110	11.4	16.9	1⅜ x 4⅛	500R103U063AC2B
11000	0.0190	0.0110	9.9	14.6	1⅜ x 4⅛	500113U063AC2B
11000	0.0270	0.0150	8.2	12.6	1⅜ x 3⅛	500X113U063AB2B
14000	0.0180	0.0110	13.7	18.5	2 x 3⅛	500R143U063BB2B
15000	0.0150	0.0088	12.7	17.7	1⅜ x 5⅝	500R153U063AF2B
15000	0.0210	0.0130	11.3	15.2	2 x 3⅛	500153U063BB2B
16000	0.0150	0.0088	11.0	15.3	1⅜ x 5⅝	500163U063AF2B
16000	0.0190	0.0110	9.9	14.6	1⅜ x 4⅛	500X163U063AC2B
17000	0.0170	0.0120	12.9	16.2	1¾ x 4⅛	500R173U063EC2B
18000	0.0170	0.0120	11.1	14.0	1¾ x 4⅛	500183U063EC2B
22000	0.0120	0.0078	17.1	22.6	2 x 4⅛	500R223U063BC2B
22000	0.0180	0.0110	11.9	16.0	2 x 3⅛	500X223U063BB2B
23000	0.0140	0.0087	14.0	18.6	2 x 4⅛	500233U063BC2B
23000	0.0160	0.0093	10.7	14.8	1⅜ x 5⅝	500X233U063AF2B
26000	0.0140	0.0090	12.6	15.9	1¾ x 4⅛	500X263U063EC2B
33000	0.0086	0.0056	20.2	25.9	2 x 5⅝	500R333U063BF2B
33000	0.0140	0.0087	14.0	18.6	2 x 4⅛	500X333U063BC2B
35000	0.0100	0.0062	16.6	21.3	2 x 5⅝	500353U063BF2B
36000	0.0088	0.0060	23.2	28.6	2½ x 4⅛	500R363U063CC2B
38000	0.0100	0.0066	19.1	23.5	2½ x 4⅛	500383U063CC2B
51000	0.0100	0.0062	16.6	21.3	2 x 5⅝	500X513U063BF2B
54000	0.0086	0.0067	25.0	28.1	3 x 4⅛	500R543U063DC2B
55000	0.0061	0.0043	27.7	33.5	2½ x 5⅝	500R553U063CF2B
55000	0.0100	0.0066	19.1	23.5	2½ x 4⅛	500X553U063CC2B
57000	0.0100	0.0075	20.6	23.1	3 x 4⅛	500573U063DC2B
58000	0.0068	0.0048	22.8	27.5	2½ x 5⅝	500583U063CF2B
73000	0.0067	0.0053	28.8	32.1	3 x 5⅛	500R733U063DE2B
77000	0.0074	0.0059	23.7	26.4	3 x 5⅛	500773U063DE2B
82000	0.0060	0.0048	30.2	33.6	3 x 5⅝	500R823U063DF2B
82000	0.0100	0.0075	20.6	23.1	3 x 4⅛	500X823U063DC2B
84000	0.0068	0.0048	22.8	27.5	2½ x 5⅝	500X843U063CF2B
86000	0.0058	0.0047	30.6	34.0	3 x 5⅞	500R863U063DP2B
87000	0.0068	0.0054	24.8	27.6	3 x 5⅝	500873U063DF2B
91000	0.0065	0.0052	25.2	27.9	3 x 5⅞	500913U063DP2B
110000	0.0074	0.0059	23.7	26.4	3 x 5⅛	500X114U063DE2B
120000	0.0067	0.0054	24.8	27.6	3 x 5⅝	500X124U063DF2B
130000	0.0065	0.0052	25.2	27.9	3 x 5⅞	500X134U063DP2B
130000	0.0100	0.0093	23.5	24.2	3 x 8⅝	500R134U063DG2B
150000	0.0120	0.0110	19.3	19.8	3 x 8⅝	500154U063DG2B
190000	0.0110	0.0100	19.3	19.8	3 x 8⅝	500X194U063DG2B
75 Vdc — 100 Vdc Surge						
2000	0.1000	0.0520	4.5	7.9	1⅜ x 1⅝	500R202U075AK2B
2000	0.1000	0.0520	3.9	6.8	1⅜ x 1⅝	500202U075AK2B
2700	0.1000	0.0520	3.9	6.8	1⅜ x 1⅝	500X272U075AK2B
3000	0.0580	0.0300	6.2	10.9	1⅜ x 2⅛	500R302U075AA2B
3000	0.0670	0.0350	5.0	8.8	1⅜ x 2⅛	500302U075AA2B
4000	0.0580	0.0300	5.4	9.4	1⅜ x 2⅛	500X402U075AA2B
4300	0.0470	0.0250	6.3	10.7	1⅜ x 2⅝	500432U075AH2B
4400	0.0410	0.0210	7.8	13.3	1⅜ x 2⅝	500R442U075AH2B
5700	0.0320	0.0170	9.0	15.1	1⅜ x 3⅛	500R572U075AB2B
5700	0.0360	0.0190	7.3	12.2	1⅜ x 3⅛	500572U075AB2B
5800	0.0440	0.0230	6.5	11.1	1⅜ x 2⅝	500X582U075AH2B
7600	0.0360	0.0190	7.3	12.2	1⅜ x 3⅛	500X762U075AB2B
8400	0.0260	0.0140	10.2	16.3	1⅜ x 4⅛	500R842U075AC2B
8400	0.0260	0.0140	8.8	14.2	1⅜ x 4⅛	500842U075AC2B
11000	0.0260	0.0140	8.8	14.2	1⅜ x 4⅛	500X113U075AC2B
12000	0.0240	0.0140	12.5	18.3	2 x 3⅛	500R123U075BB2B
12000	0.0190	0.0110	11.4	17.2	1⅜ x 5⅝	500R123U075AF2B
12000	0.0270	0.0150	10.3	15.0	2 x 3⅛	500123U075BB2B
12000	0.0190	0.0110	9.9	14.9	1⅜ x 5⅝	500123U075AF2B
14000	0.0220	0.0140	11.9	16.2	1¾ x 4⅛	500R143U075EC2B
14000	0.0220	0.0140	10.3	14.0	1¾ x 4⅛	500143U075EC2B
16000	0.0240	0.0140	10.8	15.8	2 x 3⅛	500X163U075BB2B
17000	0.0210	0.0120	9.6	14.5	1⅜ x 5⅝	500X173U075AF2B
18000	0.0160	0.0095	15.6	22.4	2 x 4⅛	500R183U075BC2B
18000	0.0180	0.0110	12.8	18.4	2 x 4⅛	500183U075BC2B
19000	0.0170	0.0110	11.7	15.9	1¾ x 4⅛	500X193U075EC2B
24000	0.0180	0.0110	12.8	18.4	2 x 4⅛	500X243U075BC2B
27000	0.0110	0.0067	18.6	25.7	2 x 5⅝	500R273U075BF2B
27000	0.0120	0.0074	15.3	21.1	2 x 5⅝	500273U075BF2B
29000	0.0120	0.0077	17.8	23.5	2½ x 4⅛	500293U075CC2B
30000	0.0110	0.0069	21.7	28.6	2½ x 4⅛	500R303U075CC2B
36000	0.0120	0.0074	15.3	21.1	2 x 5⅝	500X363U075BF2B

Capacitance uF	ESR max ohms 120Hz,	20kHz	Ripple amps 85°C 120Hz,	20kHz	Nominal Case Size D x L (inches)	Catalog Number
75 Vdc — 100 Vdc Surge						
40000	0.0120	0.0077	17.8	23.5	2½ x 4⅛	500X403U075CC2B
44000	0.0100	0.0073	24.2	28.4	3 x 4⅛	500R443U075DC2B
44000	0.0110	0.0081	19.9	23.3	3 x 4⅛	500443U075DC2B
45000	0.0075	0.0049	26.0	33.4	2½ x 5⅝	500R453U075CF2B
45000	0.0084	0.0055	21.4	27.5	2½ x 5⅝	500453U075CF2B
59000	0.0077	0.0057	27.9	32.4	3 x 5⅛	500R593U075DE2B
59000	0.0085	0.0063	22.9	26.6	3 x 5⅛	500593U075DE2B
59000	0.0110	0.0081	19.9	23.3	3 x 4⅛	500X593U075DC2B
60000	0.0084	0.0055	21.4	27.5	2½ x 5⅝	500X603U075CF2B
67000	0.0069	0.0052	29.3	33.9	3 x 5⅝	500R673U075DF2B
67000	0.0077	0.0059	24.1	27.9	3 x 5⅝	500673U075DF2B
70000	0.0067	0.0050	29.7	34.3	3 x 5⅞	500R703U075DP2B
70000	0.0074	0.0056	24.4	28.2	3 x 5⅞	500703U075DP2B
80000	0.0085	0.0063	22.9	26.6	3 x 5⅛	500X803U075DE2B
90000	0.0077	0.0058	24.1	27.9	3 x 5⅝	500X903U075DF2B
94000	0.0074	0.0056	24.4	28.2	3 x 5⅞	500X943U075DP2B
110000	0.0110	0.0100	23.5	24.6	3 x 8⅝	500R114U075DG2B
110000	0.0120	0.0110	19.3	20.2	3 x 8⅝	500114U075DG2B
150000	0.0120	0.0110	19.3	20.2	3 x 8⅝	500X154U075DG2B
100 Vdc — 125 Vdc Surge						
950	0.1200	0.0530	3.5	6.6	1⅜ x 1⅝	500951U100AK2B
1200	0.1200	0.0530	4.0	7.7	1⅜ x 1⅝	500R122U100AK2B
1400	0.0790	0.0360	4.5	8.5	1⅜ x 2⅛	500142U100AA2B
1400	0.1200	0.0530	3.5	6.6	1⅜ x 1⅝	500X142U100AK2B
1800	0.0680	0.0310	5.6	10.6	1⅜ x 2⅛	500R182U100AA2B
2100	0.0550	0.0250	5.7	10.4	1⅜ x 2⅝	500212U100AH2B
2100	0.0680	0.0310	4.9	9.1	1⅜ x 2⅛	500X212U100AA2B
2500	0.0480	0.0220	7.0	13.0	1⅜ x 2⅝	500R252U100AH2B
2700	0.0420	0.0200	6.6	11.9	1⅜ x 3⅛	500272U100AB2B
3000	0.0510	0.0240	5.9	10.8	1⅜ x 2⅝	500X302U100AH2B
3300	0.0370	0.0170	8.1	14.7	1⅜ x 3⅛	500R332U100AB2B
4000	0.0300	0.0140	8.0	13.8	1⅜ x 4⅛	500402U100AC2B
4000	0.0420	0.0200	6.6	11.9	1⅜ x 3⅛	500X402U100AB2B
4900	0.0300	0.0140	9.2	16.0	1⅜ x 4⅛	500R492U100AC2B
5500	0.0370	0.0230	8.1	10.8	2 x 3⅛	500552U100BB2B
5900	0.0220	0.0110	9.1	14.6	1⅜ x 5⅝	500592U100AF2B
5900	0.0300	0.0140	8.0	13.8	1⅜ x 4⅛	500X592U100AC2B
6600	0.0250	0.0140	9.6	13.8	1¾ x 4⅛	500662U100EC2B
6800	0.0340	0.0200	9.9	13.2	2 x 3⅛	500R682U100BB2B
7200	0.0220	0.0110	10.5	16.9	1⅜ x 5⅝	500R722U100AF2B
8100	0.0340	0.0200	8.6	11.4	2 x 3⅛	500X812U100BB2B
8200	0.0250	0.0140	11.1	16.0	1¾ x 4⅛	500R822U100EC2B
8500	0.0250	0.0150	10.2	13.3	2 x 4⅛	500852U100BC2B
8700	0.0240	0.0120	8.8	14.2	1⅜ x 5⅝	500X872U100AF2B
9800	0.0190	0.0110	10.9	15.7	1¾ x 4⅛	500X982U100EC2B
10000	0.0220	0.0140	12.4	16.2	2 x 4⅛	500R103U100BC2B
12000	0.0250	0.0150	10.2	13.3	2 x 4⅛	500X123U100BC2B
13000	0.0170	0.0110	12.1	15.5	2 x 5⅝	500133U100BF2B
14000	0.0160	0.0110	14.6	18.5	2½ x 4⅛	500143U100CC2B
16000	0.0150	0.0100	14.7	18.9	2 x 5⅝	500R163U100BF2B
17000	0.0150	0.0095	17.8	22.5	2½ x 4⅛	500R173U100CC2B
19000	0.0170	0.0110	12.1	15.5	2 x 5⅝	500X193U100BF2B
21000	0.0110	0.0075	17.6	21.9	2½ x 5⅝	500213U100CF2B
21000	0.0160	0.0110	14.6	18.5	2½ x 4⅛	500X213U100CC2B
21000	0.0160	0.0120	15.9	18.1	3 x 4⅛	500213U100DC2B
26000	0.0100	0.0067	21.4	26.6	2½ x 5⅝	500R263U100CF2B
26000	0.0140	0.0110	19.3	22.0	3 x 4⅛	500R263U100DC2B
28000	0.0093	0.0064	21.9	26.5	3 x 5⅛	500283U100DE2B
31000	0.0110	0.0075	17.6	21.9	2½ x 5⅝	500X313U100CF2B
31000	0.0160	0.0120	15.9	18.1	3 x 4⅛	500X313U100DC2B
32000	0.0110	0.0086	19.3	21.8	3 x 5⅝	500323U100DF2B
33000	0.0110	0.0083	19.6	22.1	3 x 5⅛	500333U100DP2B
35000	0.0110	0.0085	22.3	25.3	3 x 5⅛	500R353U100DE2B
39000	0.0100	0.0077	23.5	26.5	3 x 5⅝	500R393U100DF2B
41000	0.0100	0.0074	23.9	26.9	3 x 5⅞	500R413U100DP2B
42000	0.0120	0.0094	18.3	20.8	3 x 5⅛	500X423U100DE2B
47000	0.0110	0.0086	19.3	21.8	3 x 5⅝	500X473U100DF2B
49000	0.0110	0.0083	19.6	22.1	3 x 5⅞	500X493U100DP2B
54000	0.0120	0.0110	19.1	20.1	3 x 8⅝	500543U100DG2B
66000	0.0110	0.0100	23.2	24.5	3 x 8⅝	500R663U100DG2B
79000	0.0120	0.0110	19.1	20.1	3 x 8⅝	500X793100DG2B

• MA (508) 996-8561
• SC (803) 878-6311
Cornell Dubilier

Capacitance uF	ESR max ohms 120Hz, 20kHz		Ripple amps 85°C 120Hz, 20kHz		Nominal Case Size D x L (inches)	Catalog Number
150 Vdc — 180Vdc Surge						
280	0.2000	0.1200	2.8	4.5	1⅜ x 1⅝	500281U150AK2B
410	0.1900	0.1100	3.3	5.2	1⅜ x 1⅝	500R411U150AK2B
420	0.1300	0.0780	3.7	5.8	1⅜ x 2⅛	500421U150AA2B
460	0.1800	0.1000	3.0	4.6	1⅜ x 1⅝	500X461U150AK2B
600	0.0920	0.0540	4.6	7.2	1⅜ x 2⅝	500601U150AH2B
620	0.1100	0.0660	4.6	7.3	1⅜ x 2⅛	500R621U150AA2B
680	0.1000	0.0610	4.1	6.4	1⅜ x 2⅛	500X681U150AA2B
790	0.0710	0.0420	5.4	8.4	1⅜ x 3⅛	500791U150AB2B
890	0.0780	0.0460	5.8	9.0	1⅜ x 2⅝	500R891U150AH2B
990	0.0770	0.0460	5.0	7.7	1⅜ x 2⅝	500X991U150AH2B
1200	0.0600	0.0360	6.7	10.4	1⅜ x 3⅛	500R122U150AB2B
1200	0.0490	0.0290	6.6	10.0	1⅜ x 4⅛	500122U150AC2B
1300	0.0630	0.0380	5.6	8.6	1⅜ x 3⅛	500X132U150AB2B
1600	0.0550	0.0370	7.1	9.4	2 x 3⅛	500162U150BB2B
1700	0.0480	0.0290	7.6	11.6	1⅜ x 4⅛	500R172U150AC2B
1700	0.0360	0.0220	7.5	11.2	1⅜ x 5⅝	500172U150AF2B
1900	0.0390	0.0240	8.2	11.5	1¾ x 4⅛	500192U150EC2B
1900	0.0440	0.0260	6.9	10.3	1⅜ x 4⅛	500X192U150AC2B
2400	0.0490	0.0330	8.7	11.4	2 x 3⅛	500R242U150BB2B
2500	0.0360	0.0220	8.8	12.9	1⅜ x 5⅝	500R252U150AF2B
2500	0.0370	0.0240	9.0	11.7	2 x 4⅛	500252U150BC2B
2600	0.0470	0.0320	7.6	9.8	2 x 3⅛	500X262U150BB2B
2800	0.0350	0.0210	7.6	11.1	1⅜ x 5⅝	500X282U150AF2B
2900	0.0380	0.0240	9.6	13.2	1¾ x 4⅛	500R292U150EC2B
3200	0.0280	0.0180	9.6	13.0	1¾ x 4⅛	500X322U150EC2B
3600	0.0330	0.0220	10.9	14.2	2 x 4⅛	500R362U150BC2B
3800	0.0250	0.0170	10.7	13.8	2 x 5⅝	500382U150BF2B
4100	0.0230	0.0160	13.0	16.6	2½ x 4⅛	500412U150CC2B
4100	0.0340	0.0240	9.1	11.5	2 x 4⅛	500X412U150BC2B
5500	0.0220	0.0150	13.1	16.8	2 x 5⅝	500R552U150BF2B
6000	0.0210	0.0140	15.9	20.2	2½ x 4⅛	500R602U150CC2B
6100	0.0200	0.0160	14.9	17.3	3 x 4⅛	500612U150DC2B
6200	0.0160	0.0110	15.8	19.8	2½ x 5⅝	500622U150CF2B
6200	0.0230	0.0160	10.9	13.6	2 x 5⅝	500X622U150BF2B
6700	0.0220	0.0160	13.2	16.3	2½ x 4⅛	500X672U150CC2B
8200	0.0130	0.0091	20.0	24.4	3 x 5⅛	500822U150DE2B
9000	0.0180	0.0140	18.1	20.9	3 x 4⅛	500R902U150DC2B
9200	0.0140	0.0100	19.3	24.1	2½ x 5⅝	500R922U150CF2B
9300	0.0140	0.0110	18.2	20.9	3 x 5⅝	500932U150DF2B
9700	0.0140	0.0100	18.5	21.2	3 x 5⅞	500972U150DP2B
10000	0.0150	0.0110	16.0	19.5	2½ x 5⅝	500X103U150CF2B
10000	0.0200	0.0160	14.7	16.6	3 x 4⅛	500X103U150DC2B
12000	0.0140	0.0110	21.0	24.1	3 x 5⅛	500R123U150DE2B
13000	0.0150	0.0120	17.0	19.2	3 x 5⅛	500X133U150DE2B
14000	0.0120	0.0094	22.4	25.7	3 x 5⅞	500R143U150DP2B
14000	0.0130	0.0100	22.1	25.3	3 x 5⅝	500R143U150DF2B
15000	0.0140	0.0110	18.0	20.2	3 x 5⅝	500X153U150DF2B
16000	0.0130	0.0110	18.2	20.5	3 x 5⅞	500X163U150DP2B
16000	0.0140	0.0120	18.7	20.0	3 x 8⅝	500163U150DG2B
23000	0.0130	0.0110	22.6	24.2	3 x 8⅝	500R233U150DG2B
26000	0.0140	0.0130	18.2	19.2	3 x 8⅝	500X263U150DG2B
200 Vdc — 250 Vdc Surge						
190	0.2600	0.1600	2.4	3.6	1⅜ x 1⅝	500191T200AK2B
280	0.2700	0.1700	2.7	4.0	1⅜ x 1⅝	500R281T200AK2B
310	0.1600	0.1000	3.2	4.8	1⅜ x 2⅛	500311T200AA2B
310	0.2700	0.1700	2.3	3.5	1⅜ x 1⅝	500X311T200AK2B
460	0.1100	0.0670	4.1	6.1	1⅜ x 2⅝	500461T200AH2B
460	0.1500	0.0910	3.9	5.8	1⅜ x 2⅛	500R461T200AA2B
490	0.1500	0.0910	3.4	5.0	1⅜ x 2⅛	500X491T200AA2B
610	0.0830	0.0510	4.8	7.1	1⅜ x 3⅛	500611T200AB2B
680	0.1000	0.0610	5.0	7.4	1⅜ x 2⅝	500R681T200AH2B
730	0.1100	0.0660	4.2	6.2	1⅜ x 2⅝	500X731T200AH2B
910	0.0750	0.0460	5.9	8.7	1⅜ x 3⅛	500R911T200AB2B
920	0.0560	0.0350	6.0	8.7	1⅜ x 4⅛	500921T200AC2B
980	0.0870	0.0530	4.7	7.0	1⅜ x 3⅛	500X981T200AB2B
1200	0.0650	0.0430	6.5	8.5	2 x 3⅛	500122T200BB2B
1400	0.0590	0.0360	6.8	9.9	1⅜ x 4⅛	500R142T200AC2B
1400	0.0410	0.0260	7.0	9.8	1⅜ x 5⅝	500142T200AF2B
1500	0.0440	0.0290	7.6	10.2	1¾ x 4⅛	500152T200EC2B
1500	0.0590	0.0360	5.9	8.6	1⅜ x 4⅛	500X152T200AC2B
1800	0.0600	0.0400	7.9	10.3	2 x 3⅛	500R182T200BB2B
1900	0.0420	0.0280	8.3	10.7	2 x 4⅛	500192T200BC2B
2000	0.0430	0.0270	7.9	11.2	1⅜ x 5⅝	500R202T200AF2B

Capacitance uF	ESR max ohms 120Hz, 20kHz		Ripple amps 85°C 120Hz, 20kHz		Nominal Case Size D x L (inches)	Catalog Number
200 Vdc — 250 Vdc Surge						
2000	0.0600	0.0400	6.8	8.9	2 x 3⅛	500X202T200BB2B
2200	0.0450	0.0280	6.6	9.4	1⅜ x 5⅝	500X222T200AF2B
2300	0.0460	0.0300	8.6	11.8	1¾ x 4⅛	500R232T200EC2B
2400	0.0360	0.0230	8.5	11.6	1¾ x 4⅛	500X242T200EC2B
2900	0.0390	0.0260	10.0	13.0	2 x 4⅛	500R292T200BC2B
3000	0.0280	0.0190	10.1	12.8	2 x 5⅝	500302T200BF2B
3100	0.0430	0.0290	8.2	10.7	2 x 4⅛	500X312T200BC2B
3200	0.0260	0.0180	12.2	15.3	2½ x 4⅛	500322T200CC2B
4500	0.0260	0.0170	12.2	15.6	2 x 5⅝	500R452T200BF2B
4800	0.0240	0.0170	14.7	18.7	2½ x 4⅛	500R482T200CC2B
4800	0.0230	0.0170	14.1	16.3	3 x 4⅛	500482T200DC2B
4800	0.0290	0.0190	10.0	12.8	2 x 5⅝	500X482T200BF2B
5000	0.0180	0.0120	14.9	18.5	2½ x 5⅝	500502T200CF2B
5100	0.0270	0.0190	12.1	15.3	2½ x 4⅛	500X512T200CC2B
6600	0.0140	0.0100	18.9	22.9	3 x 5⅛	500662T200DE2B
7200	0.0210	0.0160	17.2	20.1	3 x 4⅛	500R722T200DC2B
7400	0.0160	0.0110	18.0	22.6	2½ x 5⅝	500R742T200CF2B
7400	0.0150	0.0120	17.4	20.0	3 x 5⅝	500742T200DF2B
7700	0.0230	0.0170	14.1	16.5	3 x 4⅛	500X772T200DC2B
7800	0.0150	0.0110	17.7	20.3	3 x 5⅞	500782T200DP2B
8000	0.0180	0.0130	14.8	18.6	2½ x 5⅝	500X802T200CF2B
9800	0.0160	0.0120	20.1	23.3	3 x 5⅛	500R982T200DE2B
10000	0.0170	0.0130	16.5	19.2	3 x 5⅛	500X103T200DE2B
11000	0.0140	0.0110	21.2	24.6	3 x 5⅝	500R113T200DF2B
12000	0.0130	0.0100	21.6	24.9	3 x 5⅞	500R123T200DP2B
12000	0.0150	0.0110	17.7	20.5	3 x 5⅞	500X123T200DP2B
12000	0.0150	0.0120	17.4	20.2	3 x 5⅝	500X123T200DF2B
13000	0.0150	0.0130	18.3	19.6	3 x 8⅝	500133T200DG2B
19000	0.0130	0.0110	22.4	24.1	3 x 8⅝	500R193T200DG2B
20000	0.0150	0.0120	18.4	19.8	3 x 8⅝	500X203T200DG2B
250 Vdc — 300 Vdc Surge						
150	0.2900	0.1600	2.2	3.5	1⅜ x 1⅝	500151T250AK2B
220	0.3000	0.1700	2.5	4.0	1⅜ x 1⅝	500R221T250AK2B
240	0.1800	0.1000	3.0	4.7	1⅜ x 2⅛	500241T250AA2B
240	0.3000	0.1700	2.2	3.4	1⅜ x 1⅝	500X241T250AK2B
350	0.1600	0.0920	3.7	5.7	1⅜ x 2⅛	500R351T250AA2B
370	0.1200	0.0680	3.9	6.0	1⅜ x 2⅝	500371T250AH2B
380	0.1600	0.0920	3.2	5.0	1⅜ x 2⅛	500X381T250AA2B
490	0.0910	0.0520	4.5	7.0	1⅜ x 3⅛	500491T250AB2B
530	0.1100	0.0620	4.7	7.3	1⅜ x 2⅝	500R531T250AH2B
570	0.1200	0.0670	3.9	6.1	1⅜ x 2⅝	500X571T250AH2B
700	0.0830	0.0470	5.5	8.5	1⅜ x 3⅛	500R701T250AB2B
730	0.0620	0.0350	5.6	8.6	1⅜ x 4⅛	500731T250AC2B
760	0.0960	0.0540	4.4	6.9	1⅜ x 3⅛	500X761T250AB2B
990	0.0700	0.0440	6.2	8.4	2 x 3⅛	500991T250BB2B
1100	0.0640	0.0370	6.4	9.8	1⅜ x 4⅛	500R112T250AC2B
1100	0.0450	0.0260	6.5	9.7	1⅜ x 5⅝	500112T250AF2B
1100	0.0640	0.0370	5.5	8.4	1⅜ x 4⅛	500X112T250AC2B
1200	0.0480	0.0290	7.2	10.1	1¾ x 4⅛	500122T250EC2B
1400	0.0650	0.0400	7.5	10.2	2 x 3⅛	500R142T250BB2B
1500	0.0650	0.0400	6.5	8.8	2 x 3⅛	500X152T250BB2B
1600	0.0470	0.0270	7.4	11.1	1⅜ x 5⅝	500R162T250AF2B
1600	0.0450	0.0290	7.9	10.6	2 x 4⅛	500162T250BC2B
1700	0.0500	0.0290	6.2	9.3	1⅜ x 5⅝	500X172T250AF2B
1800	0.0500	0.0300	8.2	11.6	1¾ x 4⅛	500R182T250EC2B
1900	0.0390	0.0230	8.0	11.4	1¾ x 4⅛	500X192T250EC2B
2200	0.0420	0.0260	9.5	12.9	2 x 4⅛	500R222T250BC2B
2400	0.0300	0.0190	9.6	12.7	2 x 5⅝	500242T250BF2B
2400	0.0470	0.0290	7.8	10.6	2 x 4⅛	500X242T250BC2B
2600	0.0290	0.0180	11.6	15.2	2½ x 4⅛	500262T250CC2B
3400	0.0280	0.0180	11.6	15.4	2 x 5⅝	500R342T250BF2B
3700	0.0260	0.0170	14.0	18.5	2½ x 4⅛	500R372T250CC2B
3800	0.0240	0.0170	13.7	16.3	3 x 4⅛	500382T250DC2B
3800	0.0310	0.0200	9.5	12.7	2 x 5⅝	500X382T250BF2B
4000	0.0190	0.0130	14.3	18.4	2½ x 5⅝	500402T250CF2B
4000	0.0290	0.0190	11.5	15.2	2½ x 4⅛	500X402T250CC2B
5200	0.0150	0.0100	18.1	22.8	3 x 5⅛	500522T250DE2B
5500	0.0220	0.0160	16.6	20.0	3 x 4⅛	500R552T250DC2B
5700	0.0180	0.0110	17.3	22.4	2½ x 5⅝	500R572T250CF2B
5900	0.0160	0.0120	16.9	19.9	3 x 5⅝	500592T250DF2B
6000	0.0240	0.0170	13.6	16.4	3 x 4⅛	500X602T250DC2B
6200	0.0160	0.0110	17.2	20.2	3 x 5⅞	500622T250DP2B
6200	0.0200	0.0130	14.2	18.4	2½ x 5⅝	500X622T250CF2B

Capacitance uF	ESR max ohms 120Hz, 20kHz		Ripple amps 85°C 120Hz, 20kHz		Nominal Case Size D x L (inches)	Catalog Number
250 Vdc — 300 Vdc Surge						
7500	0.0170	0.0120	19.4	23.2	3 x 5⅛	500R752T250DE2B
8200	0.0180	0.0130	16.0	19.1	3 x 5⅛	500X822T250DE2B
8500	0.0150	0.0110	20.6	24.5	3 x 5⅝	500R852T250DF2B
8900	0.0140	0.0100	20.9	24.8	3 x 5⅞	500R892T250DP2B
9300	0.0160	0.0120	16.9	20.1	3 x 5⅝	500X932T250DF2B
9700	0.0160	0.0100	17.2	20.4	3 x 5⅞	500X972T250DP2B
10000	0.0150	0.0130	18.0	19.5	3 x 8⅝	500103T250DG2B
15000	0.0140	0.0110	22.0	24.1	3 x 8⅝	500R153T250DG2B
16000	0.0150	0.0130	18.1	19.8	3 x 8⅝	500X163T250DG2B
350 Vdc — 400 Vdc Surge						
93	0.6500	0.4100	1.7	2.7	1⅜ x 1⅝	500930T350AK2B
150	0.4000	0.2600	2.3	3.6	1⅜ x 2⅛	500151T350AA2B
150	0.6800	0.4300	1.9	3.1	1⅜ x 1⅝	500R151T350AK2B
160	0.6800	0.4300	1.6	2.6	1⅜ x 1⅝	500X161T350AK2B
220	0.2700	0.1700	2.9	4.6	1⅜ x 2⅝	500221T350AH2B
250	0.3700	0.2300	2.7	4.4	1⅜ x 2⅛	500R251T350AA2B
250	0.3700	0.2300	2.4	3.8	1⅜ x 2⅛	500X251T350AA2B
300	0.2000	0.1300	3.4	5.4	1⅜ x 3⅛	500301T350AB2B
370	0.2500	0.1600	3.5	5.6	1⅜ x 2⅝	500R371T350AH2B
380	0.2600	0.1700	2.9	4.7	1⅜ x 2⅝	500X381T350AH2B
440	0.1400	0.0880	4.3	6.7	1⅜ x 4⅛	500441T350AC2B
490	0.1800	0.1200	4.1	6.6	1⅜ x 3⅛	500R491T350AB2B
510	0.2100	0.1400	3.3	5.3	1⅜ x 3⅛	500X511T350AB2B
600	0.1400	0.0960	4.9	7.1	2 x 3⅛	500601T350BB2B
670	0.0980	0.0630	5.0	7.8	1⅜ x 5⅝	500671T350AF2B
740	0.1000	0.0670	5.6	8.4	1¾ x 4⅛	500741T350EC2B
740	0.1400	0.0920	4.8	7.6	1⅜ x 4⅛	500R741T350AC2B
760	0.1400	0.0920	4.2	6.6	1⅜ x 4⅛	500X761T350AC2B
940	0.0920	0.0610	6.3	9.0	2 x 4⅛	500941T350BC2B
1000	0.1300	0.0890	5.9	8.6	2 x 3⅛	500R1002T350BB2B
1000	0.1300	0.0890	5.1	7.5	2 x 3⅛	500X102T350BB2B
1100	0.1000	0.0660	5.6	8.8	1⅜ x 5⅝	500R112T350AF2B
1100	0.1100	0.0700	4.7	7.4	1⅜ x 5⅝	500X112T350AF2B
1200	0.1100	0.0690	6.3	9.5	1¾ x 4⅛	500R122T350EC2B
1300	0.0830	0.0540	6.2	9.4	1¾ x 4⅛	500X132T350EC2B
1500	0.0600	0.0410	7.7	10.9	2 x 5⅝	500152T350BF2B
1600	0.0570	0.0380	9.4	13.1	2½ x 4⅛	500162T350CC2B
1600	0.0860	0.0570	7.6	10.9	2 x 4⅛	500R162T350BC2B
1600	0.0960	0.0640	6.2	9.0	2 x 4⅛	500X162T350BC2B
2300	0.0430	0.0310	11.6	14.9	3 x 4⅛	500232T350DC2B
2400	0.0370	0.0250	11.6	16.1	2½ x 5⅝	500242T350CF2B
2400	0.0560	0.0380	9.2	13.2	2 x 5⅝	500R242T350BF2B
2500	0.0630	0.0420	7.6	10.8	2 x 5⅝	500X252T350BF2B
2600	0.0530	0.0360	11.2	15.9	2½ x 4⅛	500R262T350CC2B
2700	0.0590	0.0400	9.2	13.1	2½ x 4⅛	500X272T350CC2B
3200	0.0290	0.0200	14.9	20.2	3 x 5⅛	500322T350DE2B
3600	0.0280	0.0200	14.5	18.3	3 x 5⅝	500362T350DF2B
3800	0.0270	0.0200	14.7	18.6	3 x 5⅞	500382T350DP2B
3900	0.0400	0.0280	14.0	18.2	3 x 4⅛	500R392T350DC2B
4000	0.0350	0.0240	13.9	19.5	2½ x 5⅝	500R402T350CF2B
4000	0.0440	0.0310	11.5	14.9	3 x 4⅛	500X402T350DC2B
4100	0.0390	0.0260	11.5	16.0	2½ x 5⅝	500X412T350CF2B
5300	0.0300	0.0210	16.5	21.2	3 x 5⅛	500R532T350DE2B
5500	0.0330	0.0230	13.5	17.4	3 x 5⅛	500X552T350DE2B
6000	0.0260	0.0190	17.5	22.4	3 x 5⅝	500R602T350DF2B
6100	0.0220	0.0180	16.4	18.7	3 x 8⅝	500612T350DG2B
6200	0.0290	0.0210	14.4	18.4	3 x 5⅝	500X622T350DF2B
6300	0.0250	0.0180	17.8	22.7	3 x 5⅞	500R632T350DP2B
6500	0.0280	0.0200	14.6	18.7	3 x 5⅞	500X652T350DP2B
10000	0.0200	0.0160	20.0	23.0	3 x 8⅝	500R103T350DG2B
11000	0.0230	0.0180	16.4	18.9	3 x 8⅝	500X113T350DG2B
400 Vdc — 450 Vdc Surge						
79	0.7900	0.4800	1.5	2.4	1⅜ x 1⅝	500790T400AK2B
110	0.8300	0.5000	1.7	2.8	1⅜ x 1⅝	500R111T400AK2B
130	0.5000	0.3000	2.0	3.3	1⅜ x 2⅛	500131T400AA2B
140	0.7800	0.4700	1.5	2.5	1⅜ x 1⅝	500X141T400AK2B
180	0.5200	0.3100	2.2	3.7	1⅜ x 2⅛	500R181T400AA2B
190	0.3300	0.2000	2.6	4.2	1⅜ x 2⅝	500191T400AH2B
220	0.4900	0.3000	2.0	3.3	1⅜ x 2⅛	500X221T400AA2B
250	0.2500	0.1500	3.0	4.9	1⅜ x 3⅛	500251T400AB2B
280	0.3500	0.2100	2.9	4.8	1⅜ x 2⅝	500R281T400AH2B
340	0.3300	0.2000	2.6	4.3	1⅜ x 2⅝	500X341T400AH2B
370	0.2600	0.1600	3.4	5.6	1⅜ x 3⅛	500R371T400AB2B

Capacitance uF	ESR max ohms 120Hz, 20kHz		Ripple amps 85°C 120Hz, 20kHz		Nominal Case Size D x L (inches)	Catalog Number
400 Vdc — 450 Vdc Surge						
380	0.1700	0.1000	3.8	6.1	1⅜ x 4⅛	500381T400AC2B
450	0.2500	0.1500	3.0	5.0	1⅜ x 3⅛	500X451T400AB2B
510	0.1300	0.0810	5.1	7.7	2 x 3⅛	500511T400BB2B
550	0.1700	0.1100	4.2	6.9	1⅜ x 4⅛	500R551T400AC2B
570	0.1100	0.0690	4.6	7.3	1⅜ x 5⅝	500571T400AF2B
630	0.1000	0.0650	5.4	8.4	1¾ x 4⅛	500631T400EC2B
670	0.1600	0.1000	3.8	6.2	1⅜ x 4⅛	500X671T400AC2B
740	0.1300	0.0840	5.8	8.8	2 x 3⅛	500R741T400BB2B
810	0.0820	0.0520	6.6	9.7	2 x 4⅛	500811T400BC2B
830	0.1200	0.0720	5.1	8.3	1⅜ x 5⅝	500R831T400AF2B
910	0.1300	0.0810	5.1	7.7	2 x 3⅛	500X911T400BB2B
920	0.1100	0.0670	6.1	9.6	1¾ x 4⅛	500R921T400EC2B
1000	0.1100	0.0680	4.6	7.4	1⅜ x 5⅝	500X102T400AF2B
1100	0.1000	0.0630	5.5	8.5	1¾ x 4⅛	500X112T400EC2B
1200	0.0530	0.0340	8.0	11.8	2 x 5⅝	500122T400BF2B
1200	0.0850	0.0540	7.5	11.1	2 x 4⅛	500R122T400BC2B
1300	0.0490	0.0310	9.9	14.4	2½ x 4⅛	500132T400CC2B
1400	0.0820	0.0520	6.6	9.8	2 x 4⅛	500X142T400BC2B
1800	0.0560	0.0350	9.1	13.5	2 x 5⅝	500R182T400BF2B
1900	0.0510	0.0320	11.3	16.5	2½ x 4⅛	500R192T400CC2B
2000	0.0410	0.0280	11.7	15.4	3 x 4⅛	500202T400DC2B
2100	0.0320	0.0210	12.3	17.6	2½ x 5⅝	500212T400CF2B
2200	0.0540	0.0340	8.0	11.9	2 x 5⅝	500X222T400BF2B
2400	0.0510	0.0320	9.8	14.3	2½ x 4⅛	500X242T400CC2B
2700	0.0280	0.0180	14.9	20.9	3 x 5⅛	500272T400DE2B
2900	0.0430	0.0290	13.4	17.9	3 x 4⅛	500R292T400DC2B
3000	0.0330	0.0210	14.0	20.2	2½ x 5⅝	500R302T400CF2B
3100	0.0270	0.0190	14.6	19.0	3 x 5⅝	500312T400DF2B
3200	0.0260	0.0180	14.9	19.3	3 x 5⅞	500322T400DP2B
3500	0.0400	0.0270	12.0	15.9	3 x 4⅛	500X352T400DC2B
3600	0.0330	0.0210	12.1	17.5	2½ x 5⅝	500X362T400CF2B
3900	0.0320	0.0220	15.8	20.9	3 x 5⅛	500R392T400DE2B
4500	0.0280	0.0190	16.8	22.0	3 x 5⅝	500R452T400DF2B
4700	0.0270	0.0180	17.0	22.4	3 x 5⅞	500R472T400DP2B
4800	0.0300	0.0200	14.1	18.6	3 x 5⅛	500X482T400DE2B
5200	0.0210	0.0160	16.8	19.6	3 x 8⅝	500522T400DG2B
5400	0.0270	0.0180	14.9	19.6	3 x 5⅝	500X542T400DF2B
5700	0.0250	0.0170	15.2	19.9	3 x 5⅞	500X572T400DP2B
7600	0.0210	0.0160	19.5	22.9	3 x 8⅝	500R762T400DG2B
9300	0.0200	0.0150	17.3	20.4	3 x 8⅝	500X932T400DG2B
450 Vdc — 500 Vdc Surge						
66	0.8200	0.4900	1.4	2.4	1⅜ x 1⅝	500660T450AK2B
93	0.8600	0.5200	1.6	2.7	1⅜ x 1⅝	500R930T450AK2B
110	0.5100	0.3100	1.9	3.2	1⅜ x 2⅛	500111T450AA2B
110	0.8100	0.4900	1.4	2.4	1⅜ x 1⅝	500X111T450AK2B
150	0.5400	0.3200	2.2	3.6	1⅜ x 2⅛	500R151T450AA2B
160	0.3400	0.2100	2.5	4.1	1⅜ x 2⅝	500161T450AH2B
180	0.5100	0.3000	1.9	3.2	1⅜ x 2⅛	500X181T450AA2B
210	0.2600	0.1600	2.9	4.8	1⅜ x 3⅛	500211T450AB2B
220	0.3600	0.2200	2.8	4.6	1⅜ x 2⅝	500R221T450AH2B
270	0.3400	0.2000	2.5	4.1	1⅜ x 2⅝	500X271T450AH2B
300	0.2700	0.1600	3.3	5.4	1⅜ x 3⅛	500R301T450AB2B
320	0.1700	0.1000	3.6	5.9	1⅜ x 4⅛	500321T450AC2B
360	0.2500	0.1500	2.9	4.8	1⅜ x 3⅛	500X361T450AB2B
430	0.1300	0.0820	5.0	7.5	2 x 3⅛	500431T450BB2B
440	0.1800	0.1100	4.1	6.7	1⅜ x 4⅛	500R441T450AC2B
480	0.1200	0.0710	4.4	7.1	1⅜ x 5⅝	500481T450AF2B
530	0.1100	0.0660	5.3	8.2	1¾ x 4⅛	500531T450EC2B
540	0.1700	0.1000	3.7	6.0	1⅜ x 4⅛	500X541T450AC2B
600	0.1400	0.0860	5.7	8.6	2 x 3⅛	500R601T450BB2B
670	0.1200	0.0740	5.0	8.0	1⅜ x 5⅝	500R671T450AF2B
680	0.0840	0.0530	6.4	9.5	2 x 4⅛	500681T450BC2B
730	0.1300	0.0830	5.0	7.5	2 x 3⅛	500X731T450BB2B
740	0.1100	0.0690	6.0	9.3	1¾ x 4⅛	500R741T450EC2B
810	0.1100	0.0690	4.5	7.2	1⅜ x 5⅝	500X811T450AF2B
890	0.1100	0.0650	5.3	8.3	1¾ x 4⅛	500X891T450EC2B
940	0.0880	0.0550	7.3	10.9	2 x 4⅛	500R941T450BC2B
1000	0.0550	0.0350	7.9	11.5	2 x 5⅝	500102T450BF2B
1100	0.0500	0.0320	9.7	14.1	2½ x 4⅛	500112T450CC2B
1100	0.0850	0.0530	6.4	9.6	2 x 4⅛	500X112T450BC2B
1500	0.0580	0.0360	8.9	13.2	2 x 5⅝	500R152T450BF2B
1600	0.0520	0.0330	11.0	16.2	2½ x 4⅛	500R162T450CC2B
1700	0.0330	0.0210	12.0	17.3	2½ x 5⅝	500172T450CF2B

• MA (508) 996-8561
• SC (803) 878-6311
Cornell Dubilier

Capacitance uF	ESR max ohms 120Hz	ESR max ohms 20kHz	Ripple amps 85°C 120Hz	Ripple amps 85°C 20kHz	Nominal Case Size D x L (inches)	Catalog Number
450 Vdc — 500 Vdc Surge						
1700	0.0430	0.0290	11.5	15.2	3 x 4⅛	500172T450DC2B
1800	0.0560	0.0350	7.8	11.6	2 x 5⅝	500X182T450BF2B
1900	0.0520	0.0330	9.5	14.0	2½ x 4⅛	500X192T450CC2B
2300	0.0290	0.0190	14.6	20.5	3 x 5⅛	500232T450DE2B
2300	0.0440	0.0290	13.1	17.6	3 x 4⅛	500R232T450DC2B
2400	0.0340	0.0220	13.7	19.8	2½ x 5⅝	500R242T450CF2B
2600	0.0280	0.0190	14.3	18.8	3 x 5⅝	500262T450DF2B
2700	0.0270	0.0180	14.6	19.1	3 x 5⅞	500272T450DP2B
2800	0.0410	0.0280	11.7	15.7	3 x 4⅛	500X282T450DC2B
2900	0.0340	0.0220	11.9	17.2	2½ x 5⅝	500X292T450CF2B
3200	0.0330	0.0220	15.5	20.6	3 x 5⅛	500R322T450DE2B
3600	0.0290	0.0200	16.4	21.7	3 x 5⅝	500R362T450DF2B
3800	0.0280	0.0190	16.7	22.1	3 x 5⅞	500R382T450DP2B
3800	0.0310	0.0210	13.8	18.3	3 x 5⅛	500X382T450DE2B
4400	0.0220	0.0160	16.6	19.5	3 x 8⅝	500442T450DG2B
4400	0.0270	0.0180	14.6	19.4	3 x 5⅝	500X442T450DF2B
4600	0.0260	0.0180	14.9	19.7	3 x 5⅞	500X462T450DP2B
6100	0.0220	0.0160	19.2	22.7	3 x 8⅝	500R612T450DG2B
7400	0.0210	0.0160	17.1	20.2	3 x 8⅝	500X742T450DG2B