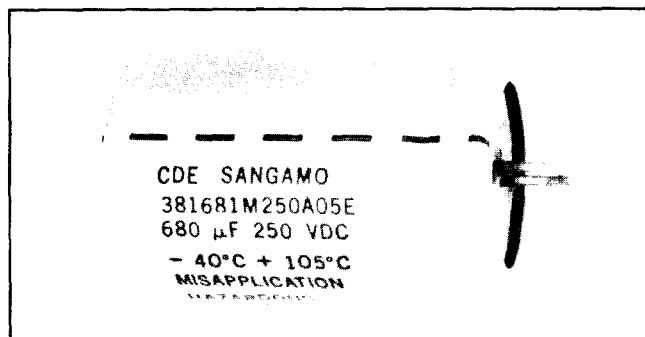
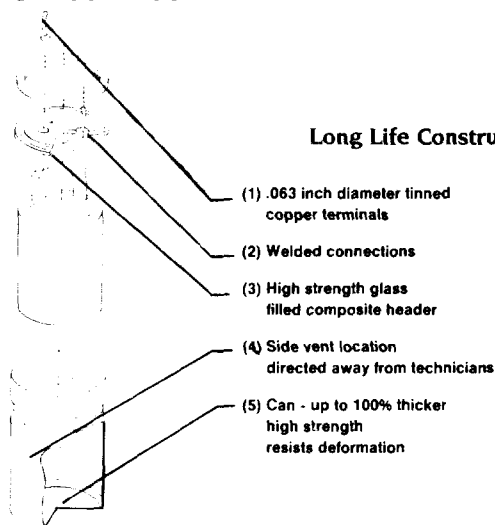


Rugged Snap-in PressLok™, 105°C Type 381 — The longer life, higher ripple choice.



Type 381 brings 105°C capability and longer life to the rugged construction of type 380. It's the snap-in of choice for really high ripple applications.



Long Life Construction

Performance Highlights:

- Capacitance 47 µF to 120,000 µF ±20%
- Voltage range 6.3 Vdc to 400 Vdc
- Operating temperature -40°C +105°C
- 2000 hours load life test at +105°C
- 1000 hours full-ripple life test at +85°C
- 500 hours shelf life test at +105°C
- Leakage current ≤ 0.005 CV µA

Ratings:

Capacitance µF	ESR, ohms max @ 120 Hz	ESR, ohms ±30% @ 20 kHz	Ripple amps, 85°C 120Hz 20kHz	Nominal Case Size D x L (mm)	Catalog Number
6.3 Vdc — 10 Vdc Surge					
8,200	0.101	0.047	3.2 3.6	22 x 25	381822M6R3H012
12,000	0.074	0.035	4.0 4.6	22 x 30	381123M6R3H022
12,000	0.083	0.041	3.7 4.1	25 x 25	381123M6R3J012
15,000	0.059	0.028	4.8 5.4	22 x 35	381153M6R3H032
18,000	0.049	0.023	5.6 6.3	22 x 40	381183M6R3H042
18,000	0.049	0.023	6.2 7.0	30 x 25	381183M6R3K012
18,000	0.061	0.030	4.7 5.2	25 x 30	381183M6R3J022
22,000	0.049	0.024	5.5 6.1	25 x 35	381223M6R3J032
27,000	0.036	0.017	7.7 8.7	30 x 30	381273M6R3K022
27,000	0.040	0.020	6.5 7.1	25 x 40	381273M6R3J042
33,000	0.029	0.014	9.1 10.2	30 x 35	381333M6R3K032
33,000	0.032	0.015	9.0 9.9	35 x 30	381333M6R3A022
39,000	0.024	0.011	10.5 11.7	30 x 40	381393M6R3K042
39,000	0.025	0.012	10.1 11.1	35 x 35	381393M6R3A032
39,000	0.029	0.015	8.2 8.9	25 x 50	381393M6R3J052
47,000	0.021	0.010	11.1 12.2	35 x 40	381473M6R3A042
56,000	0.017	0.008	12.3 13.6	30 x 50	381563M6R3K052
68,000	0.015	0.007	13.0 14.0	35 x 50	381683M6R3A052
82,000	0.013	0.006	14.6 15.6	35 x 63	381823M6R3A062
100,000	0.011	0.005	15.9 16.9	35 x 70	381104M6R3A072
120,000	0.009	0.005	16.9 17.7	35 x 80	381124M6R3A082
7.5 Vdc — 12 Vdc Surge					
8,200	0.110	0.047	3.1 3.6	22 x 25	381822M7R5H012
12,000	0.081	0.035	3.9 4.6	22 x 30	381123M7R5H022
12,000	0.090	0.041	3.6 4.1	25 x 25	381123M7R5J012
15,000	0.064	0.028	4.6 5.4	22 x 35	381153M7R5H032
15,000	0.066	0.030	4.6 5.2	25 x 30	381153M7R5J022
18,000	0.053	0.024	5.4 6.1	25 x 35	381183M7R5J032
18,000	0.053	0.023	5.4 6.3	22 x 40	381183M7R5H042
18,000	0.053	0.023	6.0 7.0	30 x 25	381183M7R5K012
22,000	0.039	0.017	7.5 8.7	30 x 30	381223M7R5K022
22,000	0.043	0.020	6.3 7.1	25 x 40	381223M7R5J042
27,000	0.031	0.014	8.8 10.2	30 x 35	381273M7R5K032

Capacitance µF	ESR, ohms max @ 120 Hz	ESR, ohms ±30% @ 20 kHz	Ripple amps, 85°C 120Hz 20kHz	Nominal Case Size D x L (mm)	Catalog Number
7.5 Vdc — 12 Vdc Surge					
27,000	0.034	0.015	8.8 9.9	35 x 30	381273M7R5A022
33,000	0.032	0.015	8.0 8.9	25 x 50	381333M7R5J052
39,000	0.026	0.011	10.2 11.7	30 x 40	381393M7R5K042
39,000	0.027	0.012	9.9 11.1	35 x 35	381393M7R5A032
47,000	0.019	0.008	12.0 13.6	30 x 50	381473M7R5K052
47,000	0.022	0.010	10.9 12.2	35 x 40	381473M7R5A042
68,000	0.016	0.008	12.7 14.0	35 x 50	381683M7R5A052
82,000	0.013	0.006	14.3 15.6	35 x 63	381823M7R5A062
100,000	0.011	0.005	15.6 16.8	35 x 70	381104M7R5A072
120,000	0.010	0.005	16.6 17.7	35 x 80	381124M7R5A082
10 Vdc — 15 Vdc Surge					
6,800	0.121	0.047	3.0 3.6	22 x 25	381682M010H012
10,000	0.089	0.035	3.7 4.6	22 x 30	381103M010H022
10,000	0.098	0.041	3.5 4.1	25 x 25	381103M010J012
12,000	0.070	0.028	4.4 5.4	22 x 35	381123M010H032
15,000	0.058	0.023	5.2 6.3	22 x 40	381153M010H042
15,000	0.059	0.023	5.7 7.0	30 x 25	381153M010K012
15,000	0.072	0.030	4.4 5.1	25 x 30	381153M010J022
18,000	0.057	0.024	5.3 6.1	25 x 35	381183M010J032
22,000	0.043	0.017	7.2 8.7	30 x 30	381223M010K022
22,000	0.047	0.020	6.1 7.1	25 x 40	381223M010J042
27,000	0.034	0.014	8.5 10.2	30 x 35	381273M010K032
27,000	0.037	0.015	8.5 9.9	35 x 30	381273M010A022
33,000	0.028	0.011	9.8 11.7	30 x 40	381333M010K042
33,000	0.030	0.012	9.6 11.1	35 x 35	381333M010A032
33,000	0.034	0.015	7.8 8.9	25 x 50	381333M010J052
39,000	0.025	0.010	10.6 12.2	35 x 40	381393M010A042
47,000	0.021	0.008	11.6 13.5	30 x 50	381473M010K052
56,000	0.018	0.008	12.4 14.0	35 x 50	381563M010A052
68,000	0.015	0.006	14.0 15.6	35 x 63	381683M010A062
82,000	0.012	0.005	15.3 16.8	35 x 70	381823M010A072
100,000	0.011	0.005	16.3 17.7	35 x 80	381104M010A082

For 3 Lead Configuration change 3 to 4 (e.g. 381 to 481)

Capacitance uF	ESR, ohms max @ 120 Hz	ESR, ohms ±30% @ 20 kHz	Ripple amps, 85°C 120Hz 20kHz	Nominal Case Size D x L (mm)	Catalog Number
16 Vdc — 24 Vdc Surge					
4,700	0.126	0.047	2.9 3.6	22 x 25	381472M016H012
6,800	0.092	0.035	3.7 4.6	22 x 30	381682M016H022
6,800	0.102	0.041	3.5 4.1	25 x 25	381682M016J012
8,200	0.073	0.028	4.4 5.4	22 x 35	381822M016H032
10,000	0.061	0.023	5.1 6.3	22 x 40	381103M016H042
10,000	0.061	0.023	5.7 7.0	30 x 25	381103M016K012
10,000	0.074	0.030	4.4 5.1	25 x 30	381103M016J022
12,000	0.059	0.024	5.2 6.1	25 x 35	381123M016J032
15,000	0.045	0.017	7.1 8.7	30 x 30	381153M016K022
15,000	0.049	0.020	6.1 7.1	25 x 40	381153M016J042
18,000	0.036	0.014	8.3 10.1	30 x 35	381183M016K032
18,000	0.039	0.015	8.4 9.9	35 x 30	381183M016A022
22,000	0.029	0.011	9.7 11.7	30 x 40	381223M016K042
22,000	0.031	0.012	9.5 11.1	35 x 35	381223M016A032
22,000	0.036	0.015	7.7 8.9	25 x 50	381223M016J052
27,000	0.025	0.010	10.4 12.2	35 x 40	381273M016A042
33,000	0.021	0.008	11.5 13.5	30 x 50	381333M016K052
39,000	0.018	0.008	12.2 14.0	35 x 50	381393M016A052
47,000	0.015	0.006	13.9 15.6	35 x 63	381473M016A062
56,000	0.013	0.005	15.2 16.8	35 x 70	381563M016A072
68,000	0.011	0.005	16.2 17.7	35 x 80	381683M016A082
20 Vdc — 30 Vdc Surge					
3,900	0.132	0.048	2.9 3.6	22 x 25	381392M020H012
5,600	0.096	0.035	3.6 4.6	22 x 30	381562M020H022
5,600	0.105	0.041	3.4 4.1	25 x 25	381562M020J012
6,800	0.076	0.028	4.3 5.4	22 x 35	381682M020H032
6,800	0.077	0.030	4.3 5.1	25 x 30	381682M020J022
8,200	0.063	0.023	5.0 6.3	22 x 40	381822M020H042
8,200	0.064	0.023	5.6 7.0	30 x 25	381822M020K012
10,000	0.061	0.024	5.1 6.1	25 x 35	381103M020J032
12,000	0.047	0.017	7.0 8.7	30 x 30	381123M020K022
12,000	0.051	0.020	6.0 7.1	25 x 40	381123M020J042
15,000	0.037	0.015	7.6 8.9	25 x 50	381153M020J052
15,000	0.037	0.014	8.2 10.1	30 x 35	381153M020K032
15,000	0.040	0.016	8.3 9.9	35 x 30	381153M020A022
18,000	0.031	0.011	9.5 11.6	30 x 40	381183M020K042
18,000	0.032	0.013	9.3 11.1	35 x 35	381183M020A032
22,000	0.022	0.008	11.3 13.5	30 x 50	381223M020K052
22,000	0.026	0.010	10.3 12.2	35 x 40	381223M020A042
33,000	0.019	0.008	12.1 14.0	35 x 50	381333M020A052
39,000	0.016	0.006	13.7 15.6	35 x 63	381393M020A062
47,000	0.013	0.005	15.0 16.8	35 x 70	381473M020A072
56,000	0.011	0.005	16.1 17.7	35 x 80	381563M020A082
25 Vdc — 35 Vdc Surge					
3,300	0.133	0.048	2.9 3.6	22 x 25	381332M025H012
4,700	0.098	0.035	3.6 4.5	22 x 30	381472M025H022
4,700	0.107	0.042	3.4 4.1	25 x 25	381472M025J012
5,600	0.077	0.028	4.3 5.4	22 x 35	381562M025H032
5,600	0.078	0.031	4.3 5.1	25 x 30	381562M025J022
6,800	0.064	0.023	5.0 6.2	22 x 40	381682M025H042
6,800	0.065	0.024	5.5 6.9	30 x 25	381682M025K012
8,200	0.062	0.025	5.1 6.0	25 x 35	381822M025J032
10,000	0.047	0.017	7.0 8.6	30 x 30	381103M025K022
10,000	0.051	0.021	6.0 7.0	25 x 40	381103M025J042
12,000	0.037	0.015	7.6 8.9	25 x 50	381123M025J052
12,000	0.038	0.014	8.2 10.1	30 x 35	381123M025K032
12,000	0.041	0.016	8.2 9.9	35 x 30	381123M025A022
15,000	0.031	0.012	9.5 11.6	30 x 40	381153M025K042
15,000	0.032	0.013	9.3 11.1	35 x 35	381153M025A032
18,000	0.027	0.011	10.3 12.1	35 x 40	381183M025A042
22,000	0.022	0.009	11.3 13.5	30 x 50	381223M025K052
27,000	0.019	0.008	12.0 13.9	35 x 50	381273M025A052
33,000	0.016	0.006	13.7 15.6	35 x 63	381333M025A062
39,000	0.013	0.006	15.0 16.8	35 x 70	381393M025A072
47,000	0.012	0.005	16.0 17.7	35 x 80	381473M025A082
35 Vdc — 50 Vdc Surge					
2,200	0.138	0.053	2.7 3.3	22 x 25	381222M035H012
3,300	0.101	0.039	3.4 4.1	22 x 30	381332M035H022
3,300	0.116	0.049	3.1 3.6	25 x 25	381332M035J012
3,900	0.080	0.031	4.0 4.9	22 x 35	381392M035H032
3,900	0.085	0.036	3.9 4.5	25 x 30	381392M035J022
4,700	0.066	0.025	4.7 5.7	22 x 40	381472M035H042

Capacitance uF	ESR, ohms max @ 120 Hz	ESR, ohms ±30% @ 20 kHz	Ripple amps, 85°C 120Hz 20kHz	Nominal Case Size D x L (mm)	Catalog Number
35 Vdc — 50 Vdc Surge					
4,700	0.067	0.026	5.2 6.3	30 x 25	381472M035K012
5,600	0.067	0.029	4.7 5.3	25 x 35	381562M035J032
6,800	0.049	0.019	6.5 7.8	30 x 30	381682M035K022
6,800	0.056	0.024	5.5 6.2	25 x 40	381682M035J042
8,200	0.039	0.015	7.7 9.2	30 x 35	381822M035K032
8,200	0.044	0.018	7.6 8.7	35 x 30	381822M035A022
10,000	0.032	0.013	9.0 10.6	30 x 40	381103M035K042
10,000	0.035	0.014	8.6 9.8	35 x 35	381103M035A032
10,000	0.040	0.017	7.0 7.9	25 x 50	381103M035J052
12,000	0.029	0.012	9.5 10.8	35 x 40	381123M035A042
15,000	0.023	0.009	10.7 12.5	30 x 50	381153M035K052
18,000	0.021	0.009	11.2 12.6	35 x 50	381183M035A052
22,000	0.017	0.007	12.8 14.3	35 x 63	381223M035A062
27,000	0.014	0.006	14.1 15.6	35 x 70	381273M035A072
33,000	0.012	0.005	15.2 16.6	35 x 80	381333M035A082
50 Vdc — 75 Vdc Surge					
1,200	0.177	0.077	2.5 2.9	22 x 25	381122M050H012
1,800	0.129	0.056	3.1 3.6	22 x 30	381182M050H022
1,800	0.143	0.066	2.9 3.3	25 x 25	381182M050J012
2,200	0.102	0.045	3.7 4.3	22 x 35	381222M050H032
2,200	0.105	0.048	3.7 4.1	25 x 30	381222M050J022
2,700	0.084	0.037	4.3 5.0	22 x 40	381272M050H042
2,700	0.085	0.037	4.7 5.5	30 x 25	381272M050K012
3,300	0.083	0.039	4.3 4.9	25 x 35	381332M050J032
3,900	0.063	0.028	6.0 7.0	30 x 30	381392M050K022
3,900	0.069	0.032	5.1 5.7	25 x 40	381392M050J042
4,700	0.050	0.022	7.1 8.2	30 x 35	381472M050K032
4,700	0.054	0.025	7.0 8.0	35 x 30	381472M050A022
5,600	0.041	0.018	8.2 9.5	30 x 40	381562M050K042
5,600	0.043	0.020	8.0 9.0	35 x 35	381562M050A032
5,600	0.049	0.023	6.5 7.3	25 x 50	381562M050J052
6,800	0.035	0.016	8.9 10.0	35 x 40	381682M050A042
8,200	0.029	0.013	9.9 11.3	30 x 50	381822M050K052
10,000	0.026	0.012	10.5 11.7	35 x 50	381103M050A052
12,000	0.021	0.010	12.1 13.3	35 x 63	381123M050A062
15,000	0.018	0.008	13.4 14.6	35 x 70	381153M050A072
18,000	0.015	0.007	14.5 15.7	35 x 80	381183M050A082
63 Vdc — 95 Vdc Surge					
680	0.185	0.079	2.4 2.8	22 x 25	381681M063H012
1,000	0.135	0.058	3.0 3.6	22 x 30	381102M063H022
1,000	0.149	0.068	2.9 3.2	25 x 25	381102M063J012
1,200	0.107	0.046	3.6 4.3	22 x 35	381122M063H032
1,200	0.109	0.050	3.6 4.1	25 x 30	381122M063J022
1,500	0.088	0.038	4.2 5.0	22 x 40	381152M063H042
1,500	0.089	0.039	4.7 5.5	30 x 25	381152M063K012
1,800	0.065	0.028	5.9 6.9	30 x 30	381182M063K022
1,800	0.086	0.040	4.3 4.8	25 x 35	381182M063J032
2,200	0.071	0.033	5.0 5.7	25 x 40	381222M063J042
2,700	0.051	0.024	6.5 7.2	25 x 50	381272M063J052
2,700	0.052	0.023	6.9 8.1	30 x 35	381272M063K032
2,700	0.056	0.025	6.9 7.9	35 x 30	381272M063A022
3,300	0.043	0.019	8.1 9.4	30 x 40	381332M063K042
3,300	0.045	0.020	7.9 8.9	35 x 35	381332M063A032
3,900	0.037	0.017	8.7 9.9	35 x 40	381392M063A042
4,700	0.031	0.014	9.7 11.2	30 x 50	381472M063K052
5,600	0.027	0.012	10.4 11.6	35 x 50	381562M063A052
6,800	0.022	0.010	11.9 13.2	35 x 63	381682M063A062
8,200	0.018	0.009	13.3 14.6	35 x 70	381822M063A072
10,000	0.016	0.007	14.4 15.6	35 x 80	381103M063A082
80 Vdc — 120 Vdc Surge					
470	0.196	0.083	2.4 2.8	22 x 25	381471M080H012
680	0.143	0.060	3.0 3.6	22 x 30	381681M080H022
680	0.156	0.070	2.8 3.2	25 x 25	381681M080J012
820	0.114	0.048	3.5 4.2	22 x 35	381821M080H032
1,000	0.093	0.040	4.2 5.0	22 x 40	381102M080H042
1,000	0.095	0.040	4.6 5.4	30 x 25	381102M080K012
1,000	0.114	0.051	3.6 4.1	25 x 30	381102M080J022
1,200	0.091	0.041	4.2 4.9	25 x 35	381122M080J032
1,500	0.069	0.029	5.8 6.8	30 x 30	381152M080K022
1,500	0.075	0.034	5.0 5.7	25 x 40	381152M080J042
1,800	0.055	0.023	6.8 8.1	30 x 35	381182M080K032
1,800	0.059	0.026	6.9 7.9	35 x 30	381182M080A022

RADIAL LEADED CAPACITORS

Capacitance uF	ESR, ohms max @ 120 Hz	±30% @ 20 kHz	Ripple amps, 85°C 120Hz 20kHz	Nominal Case Size D x L (mm)	Catalog Number
80 Vdc — 120 Vdc Surge					
2,200	0.045	0.019	8.0 9.3	30 x 40	381222M080K042
2,200	0.047	0.021	7.8 8.9	35 x 35	381222M080A032
2,200	0.054	0.024	6.4 7.3	25 x 50	381222M080J052
2,700	0.039	0.017	8.6 9.9	35 x 40	381272M080A042
3,300	0.033	0.014	9.6 11.1	30 x 50	381332M080K052
3,900	0.028	0.013	10.3 11.6	35 x 50	381392M080A052
4,700	0.023	0.010	11.8 13.2	35 x 63	381472M080A062
5,600	0.019	0.009	13.1 14.6	35 x 70	381562M080A072
6,800	0.017	0.007	14.3 15.6	35 x 80	381682M080A082
100 Vdc — 150 Vdc Surge					
330	0.314	0.108	1.9 2.6	22 x 25	381331M100H012
470	0.229	0.079	2.4 3.2	22 x 30	381471M100H022
470	0.240	0.088	2.4 3.0	25 x 25	381471M100J012
560	0.181	0.063	2.9 3.8	22 x 35	381561M100H032
680	0.149	0.051	3.4 4.5	22 x 40	381681M100H042
680	0.150	0.052	3.8 4.9	30 x 25	381681M100K012
680	0.175	0.064	3.0 3.8	25 x 30	381681M100J022
820	0.139	0.051	3.6 4.5	25 x 35	381821M100J032
1,000	0.110	0.038	4.8 6.2	30 x 30	381102M100K022
1,000	0.114	0.042	4.2 5.3	25 x 40	381102M100J042
1,200	0.087	0.030	5.7 7.3	30 x 35	381122M100K032
1,200	0.092	0.033	5.8 7.3	35 x 30	381122M100A022
1,500	0.071	0.025	6.6 8.5	30 x 40	381152M100K042
1,500	0.073	0.026	6.6 8.3	35 x 35	381152M100A032
1,500	0.082	0.030	5.5 6.8	25 x 50	381152M100J052
1,800	0.060	0.022	7.3 9.2	35 x 40	381182M100A042
2,200	0.051	0.018	8.1 10.2	30 x 50	381222M100K052
2,700	0.043	0.016	8.8 10.9	35 x 50	381272M100A052
3,300	0.035	0.013	10.3 12.4	35 x 63	381332M100A062
3,900	0.029	0.011	11.5 13.8	35 x 70	381392M100A072
4,700	0.025	0.009	12.7 14.9	35 x 80	381472M100A082
150 Vdc — 225 Vdc Surge					
150	0.538	0.188	1.5 2.0	22 x 25	381151M150H012
180	0.392	0.137	1.9 2.6	22 x 30	381181M150H022
180	0.401	0.145	1.9 2.5	25 x 25	381181M150J012
220	0.310	0.108	2.3 3.0	22 x 35	381221M150H032
270	0.255	0.089	2.7 3.6	22 x 40	381271M150H042
270	0.257	0.090	3.0 3.9	30 x 25	381271M150K012
270	0.293	0.106	2.4 3.1	25 x 30	381271M150J022
330	0.232	0.084	2.9 3.7	25 x 35	381331M150J032
390	0.188	0.066	3.8 5.0	30 x 30	381391M150K022
390	0.190	0.069	3.4 4.4	25 x 40	381391M150J042
470	0.148	0.052	4.5 5.9	30 x 35	381471M150K032
470	0.155	0.056	4.6 6.0	35 x 30	381471M150A022
560	0.136	0.050	4.4 5.7	25 x 50	381561M150J052
680	0.122	0.043	5.2 6.9	30 x 40	381681M150K042
680	0.122	0.044	5.3 6.8	35 x 35	381681M150A032
820	0.087	0.031	6.4 8.4	30 x 50	381821M150K052
820	0.100	0.036	5.9 7.6	35 x 40	381821M150A042
1,200	0.058	0.021	8.4 10.6	35 x 63	381122M150A062
1,200	0.071	0.026	7.2 9.1	35 x 50	381122M150A052
1,800	0.041	0.015	10.7 13.0	35 x 80	381182M150A082
1,800	0.048	0.018	9.6 11.9	35 x 70	381182M150A072
200 Vdc — 275 Vdc Surge					
150	0.487	0.187	1.2 1.6	22 x 25	381151M200H012
180	0.355	0.136	1.5 2.1	22 x 30	381181M200H022
220	0.390	0.162	1.4 1.9	25 x 25	381221M200J012
270	0.250	0.095	2.2 3.1	30 x 25	381271M200K012
270	0.281	0.108	1.7 2.5	22 x 35	381271M200H032
270	0.284	0.118	1.8 2.4	25 x 30	381271M200J022
330	0.225	0.094	2.2 2.9	25 x 35	381331M200J032
330	0.231	0.089	2.1 2.9	22 x 40	381331M200H042
390	0.182	0.070	2.8 4.0	30 x 30	381391M200K022
390	0.185	0.077	2.6 3.4	25 x 40	381391M200J042
470	0.144	0.055	3.3 4.7	30 x 35	381471M200K032
470	0.155	0.062	3.4 4.7	35 x 30	381471M200A022
560	0.118	0.045	3.9 5.6	30 x 40	381561M200K042
560	0.123	0.049	3.9 5.4	35 x 35	381561M200A032
560	0.132	0.055	3.3 4.4	25 x 50	381561M200J052
680	0.101	0.041	4.4 6.0	35 x 40	381681M200A042
820	0.084	0.033	4.9 6.9	30 x 50	381821M200K052
1,000	0.072	0.029	5.4 7.4	35 x 50	381102M200A052

Capacitance uF	ESR, ohms max @ 120 Hz	±30% @ 20 kHz	Ripple amps, 85°C 120Hz 20kHz	Nominal Case Size D x L (mm)	Catalog Number
200 Vdc — 275 Vdc Surge					
1,200	0.058	0.024	6.5 8.8	35 x 63	381122M200A062
1,500	0.048	0.020	7.5 10.1	35 x 70	381152M200A072
1,800	0.041	0.017	8.5 11.5	35 x 80	381182M200A082
250 Vdc — 325 Vdc Surge					
120	0.669	0.211	1.0 1.5	22 x 25	381121M250H012
150	0.487	0.154	1.2 1.9	22 x 30	381151M250H022
150	0.521	0.179	1.2 1.8	25 x 25	381151M250J012
180	0.385	0.122	1.5 2.3	22 x 35	381181M250H032
220	0.316	0.100	1.7 2.7	22 x 40	381221M250H042
220	0.344	0.108	1.9 2.9	30 x 25	381221M250K012
220	0.380	0.131	1.6 2.3	25 x 30	381221M250J022
270	0.250	0.079	2.4 3.7	30 x 30	381271M250K022
270	0.300	0.104	1.9 2.7	25 x 35	381271M250J032
330	0.247	0.085	2.2 3.2	25 x 40	381331M250J042
390	0.198	0.062	2.8 4.4	30 x 35	381391M250K032
390	0.210	0.069	2.9 4.4	35 x 30	381391M250A022
470	0.163	0.051	3.3 5.2	30 x 40	381471M250K042
470	0.166	0.055	3.4 5.1	35 x 35	381471M250A032
470	0.175	0.061	2.9 4.2	25 x 50	381471M250J052
560	0.136	0.045	3.8 5.7	35 x 40	381561M250A042
680	0.116	0.037	4.1 6.4	30 x 50	381681M250K052
820	0.097	0.032	4.6 7.0	35 x 50	381821M250A052
1,000	0.078	0.026	5.5 8.3	35 x 63	381102M250A062
1,200	0.065	0.022	6.4 9.6	35 x 70	381122M250A072
1,500	0.055	0.019	7.3 10.9	35 x 80	381152M250A082
300 Vdc — 375 Vdc Surge					
68	1.570	0.720	0.7 1.0	22 x 25	381680M300H012
100	1.140	0.527	0.9 1.3	22 x 30	381101M300H022
100	1.170	0.545	1.0 1.3	25 x 25	381101M300J012
120	0.850	0.397	1.2 1.7	25 x 30	381121M300J022
120	0.904	0.416	1.1 1.6	22 x 35	381121M300H032
150	0.741	0.341	1.3 1.8	22 x 40	381151M300H042
150	0.810	0.372	1.4 2.0	30 x 25	381151M300K012
180	0.590	0.271	1.8 2.5	30 x 30	381181M300K022
180	0.672	0.314	1.4 2.0	25 x 35	381181M300J032
220	0.466	0.214	2.1 3.0	30 x 35	381221M300K032
220	0.480	0.223	2.2 3.1	35 x 30	381221M300A022
220	0.551	0.258	1.7 2.3	25 x 40	381221M300J042
270	0.380	0.176	2.5 3.5	35 x 35	381271M300A032
270	0.382	0.176	2.5 3.5	30 x 40	381271M300K042
270	0.391	0.183	2.2 3.0	25 x 50	381271M300J052
390	0.271	0.125	3.1 4.3	30 x 50	381391M300K052
390	0.311	0.144	2.9 4.0	35 x 40	381391M300A042
470	0.221	0.103	3.5 4.9	35 x 50	381471M300A052
680	0.177	0.082	4.2 5.8	35 x 63	381681M300A062
820	0.124	0.058	5.6 7.7	35 x 80	381821M300A082
820	0.148	0.069	4.9 6.8	35 x 70	381821M300A072
350 Vdc — 450 Vdc Surge					
68	1.710	0.740	0.7 1.0	22 x 25	381680M350H012
82	1.250	0.540	0.9 1.3	22 x 30	381820M350H022
82	1.270	0.558	0.9 1.3	25 x 25	381820M350J012
120	0.884	0.382	1.3 1.9	30 x 25	381121M350K012
120	0.926	0.407	1.1 1.6	25 x 30	381121M350J022
120	0.986	0.427	1.0 1.5	22 x 35	381121M350H032
150	0.732	0.322	1.4 1.9	25 x 35	381151M350J032
150	0.808	0.350	1.2 1.8	22 x 40	381151M350H042
180	0.600	0.264	1.6 2.3	25 x 40	381181M350J042
180	0.644	0.278	1.7 2.4	30 x 30	381181M350K022
220	0.509	0.220	2.0 2.9	30 x 35	381221M350K032
220	0.524	0.228	2.1 3.0	35 x 30	381221M350A022
270	0.414	0.180	2.4 3.5	35 x 35	381271M350A032
270	0.417	0.180	2.3 3.4	30 x 40	381271M350K042
270	0.425	0.187	2.1 3.0	25 x 50	381271M350J052
330	0.339	0.148	2.7 3.9	35 x 40	381331M350A042
390	0.296	0.128	2.9 4.2	30 x 50	381391M350K052
470	0.240	0.105	3.3 4.8	35 x 50	381471M350A052
560	0.193	0.085	4.0 5.7	35 x 63	381561M350A062
680	0.161	0.070	4.6 6.6	35 x 70	381681M350A072
820	0.135	0.059	5.3 7.6	35 x 80	381821M350A082

Capacitance uF	ESR, ohms		Ripple amps.		Nominal Case Size		Catalog Number
	max @ 120 Hz	±30% @ 20 kHz	85°C 120Hz	20kHz	D x L (mm)		
400 Vdc — 475 Vdc Surge							
47	1.790	0.760	0.7	1.0	22 x 25		381470M400H012
68	1.310	0.550	0.8	1.3	22 x 30		381680M400H022
68	1.330	0.568	0.9	1.3	25 x 25		381680M400J012
82	0.968	0.414	1.1	1.6	25 x 30		381820M400J022
82	1.030	0.435	1.0	1.5	22 x 35		381820M400H032
100	0.846	0.356	1.2	1.8	22 x 40		381101M400H042
100	0.925	0.389	1.3	1.9	30 x 25		381101M400K012
120	0.674	0.283	1.6	2.4	30 x 30		381121M400K022
120	0.765	0.327	1.3	1.9	25 x 35		381121M400J032
150	0.532	0.224	1.9	2.8	30 x 35		381151M400K032
150	0.547	0.232	2.0	3.0	35 x 30		381151M400A022
150	0.627	0.268	1.6	2.3	25 x 40		381151M400J042
180	0.436	0.184	2.3	3.4	30 x 40		381181M400K042
180	0.445	0.191	2.0	2.9	25 x 50		381181M400J052
220	0.355	0.151	2.6	3.8	35 x 40		381221M400A042
220	0.433	0.184	2.3	3.4	35 x 35		381221M400A032
270	0.309	0.130	2.8	4.2	30 x 50		381271M400K052
330	0.251	0.107	3.2	4.7	35 x 50		381331M400A052
390	0.202	0.086	3.9	5.6	35 x 63		381391M400A062
560	0.142	0.060	5.1	7.5	35 x 80		381561M400A082
560	0.168	0.072	4.5	6.5	35 x 70		381561M400A072

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