



■ Dimensions

φD×L (mm)

Cap.(μF)	V(Code) Code	6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)	
		—	6	—	6	—	6	—	6	—	6
22	220										5 × 11
27	270										5 × 11
33	330										6.3 × 11
39	390								5 × 11		6.3 × 11
47	470						5 × 11		6.3 × 11		6.3 × 11
56	560						5 × 11		6.3 × 11		6.3 × 11
68	680				5 × 11		6.3 × 11		6.3 × 11		6.3 × 15
82	820				5 × 11		6.3 × 11		6.3 × 11		6.3 × 15
100	101		5 × 11		6.3 × 11		6.3 × 11		6.3 × 15		8 × 11.5
120	121		5 × 11		6.3 × 11		6.3 × 11		6.3 × 15		8 × 15
150	151		6.3 × 11		6.3 × 11		6.3 × 15		8 × 11.5		8 × 15
180	181		6.3 × 11		6.3 × 11		6.3 × 15		8 × 15	10 × 12.5	8 × 20
220	221		6.3 × 11		6.3 × 15		8 × 11.5		8 × 15	10 × 12.5	8 × 20
270	271		6.3 × 15		6.3 × 15		8 × 15	10 × 12.5	8 × 20	10 × 15	10 × 20
330	331		6.3 × 15		8 × 11.5		8 × 15	10 × 12.5	8 × 20	10 × 15	10 × 20
390	391		8 × 11.5		8 × 15	10 × 12.5	8 × 20	10 × 15	10 × 20	12.5 × 15	10 × 25
470	471		8 × 15	10 × 12.5	8 × 15	10 × 12.5	8 × 20	10 × 15	10 × 20	12.5 × 15	10 × 31.5
560	561		8 × 15	10 × 12.5	8 × 20	10 × 15	10 × 20	12.5 × 15	10 × 25	12.5 × 15	12.5 × 20
680	681		8 × 20	10 × 15	8 × 20	10 × 15	10 × 20	12.5 × 15	10 × 31.5	16 × 15	12.5 × 25
820	821		8 × 20	10 × 15	10 × 20	12.5 × 15	10 × 25	12.5 × 15	12.5 × 20	16 × 15	12.5 × 25
1000	102		10 × 20	12.5 × 15	10 × 20	12.5 × 15	10 × 31.5	16 × 15	12.5 × 25	18 × 15	12.5 × 31.5
1200	122		10 × 20	12.5 × 15	10 × 25	12.5 × 15	12.5 × 20	16 × 15	12.5 × 25	18 × 15	12.5 × 35.5
1500	152		10 × 25	12.5 × 15	10 × 31.5	16 × 15	12.5 × 25	18 × 15	12.5 × 31.5	16 × 20	12.5 × 40
1800	182		10 × 31.5	16 × 15	12.5 × 20	16 × 15	12.5 × 31.5	16 × 20	12.5 × 35.5	16 × 25	16 × 31.5
2200	222		10 × 31.5	16 × 15	12.5 × 25	18 × 15	12.5 × 31.5	16 × 20	12.5 × 40	18 × 20	16 × 35.5
2700	272		12.5 × 25	18 × 15	12.5 × 31.5	16 × 20	12.5 × 35.5	16 × 25	16 × 31.5	18 × 25	16 × 40
3300	332		12.5 × 25	18 × 15	12.5 × 35.5	16 × 20	12.5 × 40	18 × 20	16 × 35.5	18 × 31.5	18 × 40
3900	392		12.5 × 31.5	16 × 20	12.5 × 40	18 × 20	16 × 31.5	18 × 25	16 × 40	18 × 35.5	
4700	472		12.5 × 35.5	18 × 20	16 × 31.5	18 × 25	16 × 35.5	18 × 31.5	18 × 40		
5600	562		12.5 × 40	18 × 20	16 × 35.5	18 × 25	16 × 40	18 × 35.5			
6800	682		16 × 31.5	18 × 25	16 × 35.5	18 × 31.5	18 × 35.5				
8200	822		16 × 35.5	18 × 31.5	16 × 40	18 × 35.5	18 × 40				
10000	103		16 × 40	18 × 31.5	18 × 40						
12000	123		18 × 35.5								
15000	153		18 × 40								

Cap.(μF)	V(Code) Code	50 (1H)		63 (1J)		80 (1K)		100 (2A)	
		—	6	—	6	—	6	—	6
0.47	R47		5 × 11						5 × 11
0.68	R68		5 × 11						5 × 11
1	010		5 × 11						5 × 11
1.5	1R5		5 × 11						5 × 11
2.2	2R2		5 × 11						5 × 11
3.3	3R3		5 × 11						5 × 11
4.7	4R7		5 × 11				5 × 11		6.3 × 11
6.8	6R8		5 × 11				5 × 11		6.3 × 11
10	100		5 × 11		5 × 11		6.3 × 11		6.3 × 11
12	120		5 × 11		5 × 11		6.3 × 11		6.3 × 11
15	150		5 × 11		6.3 × 11		6.3 × 11		6.3 × 15
18	180		5 × 11		6.3 × 11		6.3 × 11		6.3 × 15
22	220		6.3 × 11		6.3 × 11		6.3 × 15		8 × 11.5
27	270		6.3 × 11		6.3 × 11		6.3 × 15		8 × 15
33	330		6.3 × 11		6.3 × 15		8 × 11.5		8 × 15
39	390		6.3 × 11		6.3 × 15		8 × 15	10 × 12.5	8 × 20
47	470		6.3 × 15		8 × 11.5		8 × 15	10 × 12.5	10 × 20
56	560		6.3 × 15		8 × 15	10 × 12.5	8 × 20	10 × 15	10 × 20
68	680		8 × 11.5		8 × 15	10 × 12.5	10 × 20	12.5 × 15	10 × 25
82	820		8 × 15	10 × 12.5	8 × 20	10 × 15	10 × 20	12.5 × 15	10 × 31.5
100	101		8 × 20	10 × 15	10 × 20	12.5 × 15	10 × 25	12.5 × 15	10 × 31.5
120	121		8 × 20	10 × 15	10 × 20	12.5 × 15	10 × 31.5	16 × 15	12.5 × 25
150	151		10 × 20	12.5 × 15	10 × 25	12.5 × 15	10 × 31.5	16 × 15	12.5 × 25
180	181		10 × 20	12.5 × 15	10 × 31.5	16 × 15	12.5 × 25	16 × 15	12.5 × 31.5
220	221		10 × 25	12.5 × 15	12.5 × 20	16 × 15	12.5 × 31.5	18 × 15	12.5 × 35.5
270	271		10 × 31.5	16 × 15	12.5 × 25	18 × 15	12.5 × 31.5	16 × 20	12.5 × 40
330	331		10 × 31.5	16 × 15	12.5 × 25	18 × 15	12.5 × 35.5	16 × 25	16 × 31.5
390	391		12.5 × 25	16 × 15	12.5 × 31.5	16 × 20	12.5 × 40	18 × 20	16 × 35.5
470	471		12.5 × 25	18 × 15	12.5 × 35.5	16 × 25	16 × 31.5	18 × 25	16 × 40
560	561		12.5 × 31.5	16 × 20	12.5 × 40	18 × 20	16 × 35.5	18 × 31.5	18 × 35.5
680	681		12.5 × 35.5	16 × 20	16 × 31.5	18 × 25	16 × 40	18 × 31.5	18 × 40
820	821		12.5 × 40	18 × 20	16 × 35.5	18 × 31.5	18 × 35.5		
1000	102		16 × 31.5	18 × 25	16 × 40	18 × 35.5	18 × 40		
1200	122		16 × 35.5	18 × 31.5	18 × 40				
1500	152		16 × 40	18 × 31.5					
1800	182		18 × 35.5						
2200	222		18 × 40						

※In case of low profile type, 6 will be put at 12th digit of type numbering system.

Dimension table for 160 to 450V products are shown in 200 page.



Standard Ratings

V(Code)		6.3 (0J)										
Size code		—					6					
Cap.(μF)	Code	Item	Case size φD × L (mm)	Impedance (Ω) MAX.		Rated ripple (mArms)		Case size φD × L (mm)	Impedance (Ω) MAX.		Rated ripple (mArms)	
				20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz to 200kHz	105°C / 120Hz		20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz to 200kHz	105°C / 120Hz
100	101		5 × 11	0.85	1.70	150	99					
120	121		5 × 11	0.65	1.30	175	115					
150	151		6.3 × 11	0.49	0.98	225	155					
180	181		6.3 × 11	0.39	0.78	250	175					
220	221		6.3 × 11	0.30	0.60	285	205					
270	271		6.3 × 15	0.24	0.48	370	275					
330	331		6.3 × 15	0.20	0.40	405	310					
390	391		8 × 11.5	0.17	0.34	445	345					
470	471		8 × 15	0.14	0.28	550	440	10 × 12.5	0.14	0.28	635	505
560	561		8 × 15	0.12	0.24	595	485	10 × 12.5	0.13	0.26	670	545
680	681		8 × 20	0.10	0.20	730	605	10 × 15	0.11	0.22	825	685
820	821		8 × 20	0.085	0.17	795	675	10 × 15	0.095	0.19	840	715
1000	102		10 × 20	0.075	0.15	950	820	12.5 × 15	0.085	0.17	890	770
1200	122		10 × 20	0.065	0.13	1060	930	12.5 × 15	0.075	0.15	950	835
1500	152		10 × 25	0.055	0.11	1260	1130	12.5 × 15	0.065	0.13	1020	915
1800	182		10 × 31.5	0.050	0.10	1370	1230	16 × 15	0.055	0.11	1270	1140
2200	222		10 × 31.5	0.043	0.086	1470	1320	16 × 15	0.049	0.098	1340	1200
2700	272		12.5 × 25	0.038	0.076	1700	1530	18 × 15	0.044	0.088	1500	1350
3300	332		12.5 × 25	0.034	0.068	1710	1530	18 × 15	0.039	0.078	1600	1440
3900	392		12.5 × 31.5	0.031	0.062	1980	1780	16 × 20	0.036	0.072	1770	1590
4700	472		12.5 × 35.5	0.028	0.056	2230	2000	18 × 20	0.032	0.064	1920	1720
5600	562		12.5 × 40	0.026	0.052	2460	2210	18 × 20	0.030	0.060	1980	1780
6800	682		16 × 31.5	0.024	0.048	2510	2250	18 × 25	0.027	0.054	2350	2110
8200	822		16 × 35.5	0.022	0.044	2770	2490	18 × 31.5	0.025	0.050	2600	2340
10000	103		16 × 40	0.020	0.040	3110	2790	18 × 31.5	0.023	0.046	2720	2440
12000	123		18 × 35.5	0.019	0.038	3050	2740					
15000	153		18 × 40	0.018	0.036	3300	2970					

V(Code)		10 (1A)										
Size code		—					6					
Cap.(μF)	Code	Item	Case size φD × L (mm)	Impedance (Ω)MAX.		Rated ripple (mArms)		Case size φD × L (mm)	Impedance (Ω) MAX.		Rated ripple (mArms)	
				20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz to 200kHz	105°C / 120Hz		20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz to 200kHz	105°C / 120Hz
68	680		5 × 11	0.80	1.60	155	97					
82	820		5 × 11	0.65	1.30	175	110					
100	101		6.3 × 11	0.55	1.10	210	135					
120	121		6.3 × 11	0.44	0.88	235	160					
150	151		6.3 × 11	0.35	0.70	265	185					
180	181		6.3 × 11	0.29	0.58	290	205					
220	221		6.3 × 15	0.24	0.48	370	270					
270	271		6.3 × 15	0.20	0.40	405	300					
330	331		8 × 11.5	0.16	0.32	460	350					
390	391		8 × 15	0.14	0.28	550	430	10 × 12.5	0.15	0.30	635	490
470	471		8 × 15	0.12	0.24	595	475	10 × 12.5	0.13	0.26	670	535
560	561		8 × 20	0.10	0.20	730	595	10 × 15	0.11	0.22	700	570
680	681		8 × 20	0.085	0.17	795	660	10 × 15	0.090	0.18	825	685
820	821		10 × 20	0.070	0.14	985	835	12.5 × 15	0.080	0.16	920	780
1000	102		10 × 20	0.060	0.12	1060	915	12.5 × 15	0.065	0.13	1040	900
1200	122		10 × 25	0.050	0.10	1260	1120	12.5 × 15	0.060	0.12	1060	930
1500	152		10 × 31.5	0.045	0.090	1450	1300	16 × 15	0.050	0.10	1330	1190
1800	182		12.5 × 20	0.039	0.078	1470	1320	16 × 15	0.044	0.088	1420	1270
2200	222		12.5 × 25	0.034	0.068	1710	1530	18 × 15	0.039	0.078	1600	1440
2700	272		12.5 × 31.5	0.030	0.060	1980	1780	16 × 20	0.035	0.070	1740	1560
3300	332		12.5 × 35.5	0.026	0.052	2230	2000	16 × 20	0.031	0.062	1850	1660
3900	392		12.5 × 40	0.024	0.048	2460	2210	18 × 20	0.028	0.056	2050	1840
4700	472		16 × 31.5	0.023	0.046	2420	2170	18 × 25	0.026	0.052	2350	2110
5600	562		16 × 35.5	0.021	0.042	2610	2340	18 × 25	0.024	0.048	2440	2190
6800	682		16 × 35.5	0.020	0.040	2770	2490	18 × 31.5	0.022	0.044	2720	2440
8200	822		16 × 40	0.019	0.038	3110	2790	18 × 35.5	0.021	0.042	3050	2740
10000	103		18 × 40	0.017	0.034	3300	2970					

※ In case of low profile type, [6] will be put at 12th digit of type numbering system.



Standard Ratings

V(Code) Size Code Item Cap.(μF) Code		16 (1C)										
		—					6					
		Case size φ D × L (mm)	Impedance (Ω) MAX.		Rated ripple (mArms)		Case size φ D × L (mm)	Impedance (Ω) MAX.		Rated ripple (mArms)		
20°C / 100kHz	-10°C / 100kHz		105°C / 10kHz to 200kHz	105°C / 120Hz	20°C / 100kHz	-10°C / 100kHz		105°C / 10kHz to 200kHz	105°C / 120Hz			
47	470	5 × 11	0.80	1.60	155	92						
56	560	5 × 11	0.65	1.30	175	105						
68	680	6.3 × 11	0.50	1.00	220	135						
82	820	6.3 × 11	0.42	0.84	240	155						
100	101	6.3 × 11	0.35	0.70	265	175						
120	121	6.3 × 11	0.29	0.58	290	195						
150	151	6.3 × 15	0.23	0.46	375	260						
180	181	6.3 × 15	0.20	0.40	405	285						
220	221	8 × 11.5	0.16	0.32	460	335						
270	271	8 × 15	0.14	0.28	550	410	10 × 12.5	0.14	0.28	635	470	
330	331	8 × 15	0.12	0.24	595	455	10 × 12.5	0.12	0.24	670	510	
390	391	8 × 20	0.10	0.20	730	570	10 × 15	0.10	0.20	730	570	
470	471	8 × 20	0.090	0.18	770	615	10 × 15	0.090	0.18	825	660	
560	561	10 × 20	0.075	0.15	950	775	12.5 × 15	0.080	0.16	920	750	
680	681	10 × 20	0.065	0.13	1060	880	12.5 × 15	0.070	0.14	985	820	
820	821	10 × 25	0.055	0.11	1260	1070	12.5 × 15	0.060	0.12	1060	900	
1000	102	10 × 31.5	0.047	0.094	1410	1220	16 × 15	0.055	0.11	1270	1100	
1200	122	12.5 × 20	0.041	0.082	1430	1250	16 × 15	0.046	0.092	1390	1220	
1500	152	12.5 × 25	0.036	0.072	1700	1530	18 × 15	0.041	0.082	1560	1400	
1800	182	12.5 × 31.5	0.032	0.064	1880	1690	16 × 20	0.037	0.074	1700	1530	
2200	222	12.5 × 31.5	0.028	0.056	2010	1800	16 × 20	0.033	0.066	1800	1620	
2700	272	12.5 × 35.5	0.025	0.050	2230	2000	16 × 25	0.030	0.060	2190	1970	
3300	332	12.5 × 40	0.023	0.046	2460	2210	18 × 20	0.027	0.054	2090	1880	
3900	392	16 × 31.5	0.022	0.044	2510	2250	18 × 25	0.025	0.050	2350	2110	
4700	472	16 × 35.5	0.020	0.040	2770	2490	18 × 31.5	0.023	0.046	2720	2440	
5600	562	16 × 40	0.019	0.038	3110	2790	18 × 35.5	0.022	0.044	2620	2350	
6800	682	18 × 35.5	0.018	0.036	3050	2740						
8200	822	18 × 40	0.017	0.034	3300	2970						

V(Code) Size Code Item Cap.(μF) Code		25 (1E)										
		—					6					
		Case size φ D × L (mm)	Impedance (Ω) MAX.		Rated ripple (mArms)		Case size φ D × L (mm)	Impedance (Ω) MAX.		Rated ripple (mArms)		
20°C / 100kHz	-10°C / 100kHz		105°C / 10kHz to 200kHz	105°C / 120Hz	20°C / 100kHz	-10°C / 100kHz		105°C / 10kHz to 200kHz	105°C / 120Hz			
33	330	5 × 11	0.80	1.60	155	88						
39	390	5 × 11	0.65	1.30	175	100						
47	470	6.3 × 11	0.55	1.10	210	125						
56	560	6.3 × 11	0.44	0.88	235	140						
68	680	6.3 × 11	0.36	0.72	260	160						
82	820	6.3 × 11	0.30	0.60	285	180						
100	101	6.3 × 15	0.24	0.48	370	245						
120	121	6.3 × 15	0.20	0.40	405	275						
150	151	8 × 11.5	0.16	0.32	460	320						
180	181	8 × 15	0.14	0.28	550	390	10 × 12.5	0.15	0.30	635	450	
220	221	8 × 15	0.11	0.22	625	455	10 × 12.5	0.13	0.26	670	485	
270	271	8 × 20	0.095	0.19	750	560	10 × 15	0.11	0.22	700	525	
330	331	8 × 20	0.085	0.17	795	610	10 × 15	0.095	0.19	825	630	
390	391	10 × 20	0.070	0.14	985	770	12.5 × 15	0.080	0.16	920	720	
470	471	10 × 20	0.065	0.13	1060	845	12.5 × 15	0.070	0.14	985	785	
560	561	10 × 25	0.055	0.11	1260	1030	12.5 × 15	0.060	0.12	1060	860	
680	681	10 × 31.5	0.046	0.092	1420	1180	16 × 15	0.055	0.11	1270	1050	
820	821	12.5 × 20	0.041	0.082	1440	1220	16 × 15	0.049	0.098	1340	1140	
1000	102	12.5 × 25	0.036	0.072	1700	1470	18 × 15	0.043	0.086	1520	1310	
1200	122	12.5 × 25	0.032	0.064	1760	1550	18 × 15	0.039	0.078	1600	1400	
1500	152	12.5 × 31.5	0.029	0.058	1980	1780	16 × 20	0.034	0.068	1770	1590	
1800	182	12.5 × 35.5	0.026	0.052	2230	2000	16 × 25	0.031	0.062	2190	1970	
2200	222	12.5 × 40	0.024	0.048	2460	2210	18 × 20	0.028	0.056	2050	1840	
2700	272	16 × 31.5	0.022	0.044	2510	2250	18 × 25	0.025	0.050	2350	2110	
3300	332	16 × 35.5	0.020	0.040	2770	2490	18 × 31.5	0.023	0.046	2720	2440	
3900	392	16 × 40	0.019	0.038	3110	2790	18 × 35.5	0.021	0.042	3050	2740	
4700	472	18 × 40	0.018	0.036	3300	2970						

※ In case of low profile type, ⑥ will be put at 12th digit of type numbering system.



Standard Ratings

V(Code)		35 (1V)										
Cap.(μF)	Code	Item	Case size φD × L (mm)	—				6				
				Impedance (Ω) MAX.		Rated ripple (mArms)		Case size φD × L (mm)	Impedance (Ω) MAX.		Rated ripple (mArms)	
				20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz to 200kHz	105°C / 120Hz		20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz to 200kHz	105°C / 120Hz
22	220	220	5 × 11	0.75	1.50	160	85					
27	270	270	5 × 11	0.60	1.20	180	99					
33	330	330	6.3 × 11	0.49	0.98	225	125					
39	390	390	6.3 × 11	0.41	0.82	245	140					
47	470	470	6.3 × 11	0.34	0.68	270	160					
56	560	560	6.3 × 11	0.28	0.56	295	180					
68	680	680	6.3 × 15	0.24	0.48	370	230					
82	820	820	6.3 × 15	0.19	0.38	415	265					
100	101	101	8 × 11.5	0.16	0.32	460	305					
120	121	121	8 × 15	0.14	0.28	550	370	10 × 12.5	0.15	0.30	635 425	
150	151	151	8 × 15	0.12	0.24	595	415	10 × 12.5	0.12	0.24	680 475	
180	181	181	8 × 20	0.10	0.20	730	520	10 × 15	0.11	0.22	700 500	
220	221	221	8 × 20	0.085	0.17	795	580	10 × 15	0.090	0.18	825 600	
270	271	271	10 × 20	0.070	0.14	985	735	12.5 × 15	0.080	0.16	920 690	
330	331	331	10 × 20	0.060	0.12	1060	810	12.5 × 15	0.065	0.13	1020 780	
390	391	391	10 × 25	0.055	0.11	1260	980	12.5 × 15	0.060	0.12	1060 825	
470	471	471	10 × 31.5	0.046	0.092	1450	1160	16 × 15	0.055	0.11	1270 1010	
560	561	561	12.5 × 20	0.041	0.082	1430	1170	16 × 15	0.048	0.096	1360 1110	
680	681	681	12.5 × 25	0.036	0.072	1700	1410	18 × 15	0.042	0.084	1540 1280	
820	821	821	12.5 × 25	0.032	0.064	1760	1490	18 × 15	0.038	0.076	1620 1380	
1000	102	102	12.5 × 31.5	0.029	0.058	1980	1710	16 × 20	0.034	0.068	1770 1530	
1200	122	122	12.5 × 35.5	0.026	0.052	2230	1960	16 × 25	0.031	0.062	2190 1920	
1500	152	152	12.5 × 40	0.024	0.048	2460	2210	18 × 20	0.028	0.056	2050 1840	
1800	182	182	16 × 31.5	0.022	0.044	2510	2250	18 × 25	0.025	0.050	2350 2110	
2200	222	222	16 × 35.5	0.020	0.040	2770	2490	18 × 31.5	0.023	0.046	2720 2440	
2700	272	272	16 × 40	0.018	0.036	3110	2790	18 × 35.5	0.021	0.042	3050 2740	
3300	332	332	18 × 40	0.017	0.034	3300	2970					

V(Code)		50 (1H)										
Cap.(μF)	Code	Item	Case size φD × L (mm)	—				6				
				Impedance (Ω) MAX.		Rated ripple (mArms)		Case size φD × L (mm)	Impedance (Ω) MAX.		Rated ripple (mArms)	
				20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz to 200kHz	105°C / 120Hz		20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz to 200kHz	105°C / 120Hz
0.47	R47	R47	5 × 11	23.0	46.0	22	11					
0.68	R68	R68	5 × 11	16.0	32.0	28	14					
1	O10	O10	5 × 11	11.0	22.0	36	18					
1.5	1R5	1R5	5 × 11	7.50	15.0	45	22					
2.2	2R2	2R2	5 × 11	5.00	10.0	54	27					
3.3	3R3	3R3	5 × 11	3.30	6.60	66	33					
4.7	4R7	4R7	5 × 11	2.20	4.40	81	40					
6.8	6R8	6R8	5 × 11	1.80	3.60	91	45					
10	100	100	5 × 11	1.40	2.80	115	57					
12	120	120	5 × 11	1.20	2.40	125	62					
15	150	150	5 × 11	0.93	1.86	145	72					
18	180	180	5 × 11	0.80	1.60	165	79					
22	220	220	6.3 × 11	0.65	1.30	195	100					
27	270	270	6.3 × 11	0.53	1.06	215	115					
33	330	330	6.3 × 11	0.43	0.86	240	135					
39	390	390	6.3 × 11	0.36	0.72	260	150					
47	470	470	6.3 × 15	0.30	0.60	330	195					
56	560	560	6.3 × 15	0.25	0.50	360	220					
68	680	680	8 × 11.5	0.20	0.40	415	260					
82	820	820	8 × 15	0.17	0.34	505	320	10 × 12.5	0.18	0.36	530 340	
100	101	101	8 × 20	0.14	0.28	620	410	10 × 15	0.16	0.32	580 385	
120	121	121	8 × 20	0.12	0.24	755	510	10 × 15	0.13	0.26	755 510	
150	151	151	10 × 20	0.10	0.20	820	570	12.5 × 15	0.11	0.22	785 545	
180	181	181	10 × 20	0.085	0.17	945	670	12.5 × 15	0.095	0.19	845 605	
220	221	221	10 × 25	0.075	0.15	1150	840	12.5 × 15	0.080	0.16	920 670	
270	271	271	10 × 31.5	0.065	0.13	1200	900	16 × 15	0.070	0.14	1120 840	
330	331	331	10 × 31.5	0.055	0.11	1300	995	16 × 15	0.060	0.12	1210 925	
390	391	391	12.5 × 25	0.048	0.096	1440	1120	16 × 15	0.055	0.11	1270 990	
470	471	471	12.5 × 25	0.044	0.088	1500	1200	18 × 15	0.046	0.092	1470 1170	
560	561	561	12.5 × 31.5	0.040	0.080	1720	1410	16 × 20	0.044	0.088	1550 1270	
680	681	681	12.5 × 35.5	0.036	0.072	1900	1580	16 × 20	0.040	0.080	1630 1350	
820	821	821	12.5 × 40	0.033	0.066	2120	1800	18 × 20	0.036	0.072	1810 1540	
1000	102	102	16 × 31.5	0.030	0.060	2150	1860	18 × 25	0.033	0.066	2020 1750	
1200	122	122	16 × 35.5	0.028	0.056	2320	2040	18 × 31.5	0.031	0.062	2140 1880	
1500	152	152	16 × 40	0.026	0.052	2650	2380	18 × 31.5	0.029	0.058	2340 2100	
1800	182	182	18 × 35.5	0.025	0.050	2620	2350					
2200	222	222	18 × 40	0.024	0.048	2790	2510					

※ In case of low profile type, [6] will be put at 12th digit of type numbering system.



Standard Ratings

Cap. (μF)	V(Code) Size code	Item Code	63 (1J)									
			—				6					
			Case size φ D × L (mm)	Impedance (Ω) MAX.		Rated ripple (mArms)		Case size φ D × L (mm)	Impedance (Ω) MAX.		Rated ripple (mArms)	
				20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz to 200kHz	105°C / 120Hz		20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz to 200kHz	105°C / 120Hz
10	100	5 × 11	1.06	2.12	135	67						
12	120	5 × 11	0.93	1.86	145	72						
15	150	6.3 × 11	0.73	1.46	185	92						
18	180	6.3 × 11	0.63	1.26	195	100						
22	220	6.3 × 11	0.52	1.04	215	110						
27	270	6.3 × 11	0.43	0.86	240	130						
33	330	6.3 × 15	0.35	0.70	305	170						
39	390	6.3 × 15	0.30	0.60	330	190						
47	470	8 × 11.5	0.25	0.50	365	215						
56	560	8 × 15	0.21	0.42	450	275	10 × 12.5	0.23	0.46	450	275	
68	680	8 × 15	0.17	0.34	500	315	10 × 12.5	0.19	0.38	495	310	
82	820	8 × 20	0.15	0.30	600	385	10 × 15	0.16	0.32	580	375	
100	101	10 × 20	0.12	0.24	750	495	12.5 × 15	0.14	0.28	695	460	
120	121	10 × 20	0.10	0.20	820	555	12.5 × 15	0.12	0.24	750	510	
150	151	10 × 25	0.090	0.18	950	665	12.5 × 15	0.095	0.19	845	590	
180	181	10 × 31.5	0.075	0.15	1110	790	16 × 15	0.080	0.16	1050	750	
220	221	12.5 × 20	0.065	0.13	1140	835	16 × 15	0.070	0.14	1120	820	
270	271	12.5 × 25	0.055	0.11	1340	1000	18 × 15	0.060	0.12	1290	965	
330	331	12.5 × 25	0.049	0.098	1420	1090	18 × 15	0.050	0.10	1410	1080	
390	391	12.5 × 31.5	0.043	0.086	1620	1260	16 × 20	0.047	0.094	1500	1170	
470	471	12.5 × 35.5	0.039	0.078	1780	1420	16 × 25	0.042	0.084	1700	1360	
560	561	12.5 × 40	0.035	0.070	1950	1590	18 × 20	0.039	0.078	1730	1410	
680	681	16 × 31.5	0.032	0.064	2050	1700	18 × 25	0.035	0.070	1940	1610	
820	821	16 × 35.5	0.029	0.058	2220	1890	18 × 31.5	0.032	0.064	2110	1790	
1000	102	16 × 40	0.027	0.054	2370	2050	18 × 35.5	0.029	0.058	2280	1970	
1200	122	18 × 40	0.025	0.050	2510	2210						

Cap. (μF)	V(Code) Size code	Item Code	80 (1K)									
			—				6					
			Case size φ D × L (mm)	Impedance (Ω) MAX.		Rated ripple (mArms)		Case size φ D × L (mm)	Impedance (Ω) MAX.		Rated ripple (mArms)	
				20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz to 200kHz	105°C / 120Hz		20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz to 200kHz	105°C / 120Hz
4.7	4R7	5 × 11	4.20	11.00	53	26						
6.8	6R8	5 × 11	2.60	7.00	68	34						
10	100	6.3 × 11	1.70	4.60	87	43						
12	120	6.3 × 11	1.40	3.80	96	48						
15	150	6.3 × 11	1.20	3.20	104	52						
18	180	6.3 × 11	1.00	2.70	150	78						
22	220	6.3 × 15	0.77	2.10	180	95						
27	270	6.3 × 15	0.63	1.70	220	115						
33	330	8 × 11.5	0.53	1.40	275	150						
39	390	8 × 15	0.46	1.20	300	170	10 × 12.5	0.49	1.30	380	215	
47	470	8 × 15	0.39	1.10	360	215	10 × 12.5	0.42	1.10	410	245	
56	560	8 × 20	0.34	0.92	490	295	10 × 15	0.36	0.97	500	305	
68	680	10 × 20	0.28	0.76	570	355	12.5 × 15	0.31	0.84	520	325	
82	820	10 × 20	0.25	0.68	620	395	12.5 × 15	0.27	0.73	560	355	
100	101	10 × 25	0.21	0.57	795	525	12.5 × 15	0.23	0.62	605	400	
120	121	10 × 31.5	0.18	0.49	870	585	16 × 15	0.20	0.54	663	445	
150	151	10 × 31.5	0.15	0.41	955	665	16 × 15	0.18	0.47	699	470	
180	181	12.5 × 25	0.13	0.35	1040	735	16 × 15	0.15	0.41	766	545	
220	221	12.5 × 31.5	0.12	0.32	1160	845	18 × 15	0.13	0.35	881	645	
270	271	12.5 × 31.5	0.10	0.27	1270	945	16 × 20	0.11	0.30	1240	920	
330	331	12.5 × 35.5	0.088	0.24	1450	1100	16 × 25	0.099	0.27	1440	1100	
390	391	12.5 × 40	0.078	0.21	1610	1250	18 × 20	0.089	0.24	1450	1120	
470	471	16 × 31.5	0.069	0.19	1790	1430	18 × 25	0.080	0.22	1650	1320	
560	561	16 × 35.5	0.062	0.17	2000	1640	18 × 31.5	0.072	0.19	1750	1430	
680	681	16 × 40	0.055	0.15	2200	1830	18 × 31.5	0.065	0.18	1850	1540	
820	821	18 × 35.5	0.049	0.13	2250	1910						
1000	102	18 × 40	0.044	0.12	2370	2050						

※ In case of low profile type, [6] will be put at 12th digit of type numbering system.



Standard Ratings

Cap.(μF)	V(Code)	Size code	Item	100 (2A)										
				Case size φD × L (mm)	—				6					
					Impedance (Ω) MAX.		Rated ripple (mArms)		Case size φD × L (mm)	Impedance (Ω) MAX.		Rated ripple (mArms)		
					20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz to 200kHz	105°C / 120Hz		20°C / 100kHz	-10°C / 100kHz	105°C / 10kHz to 200kHz	105°C / 120Hz	
0.47	R47	5 × 11	43.0	116.0	17	8								
0.68	R68	5 × 11	23.0	62.0	23	11								
1	010	5 × 11	17.0	46.0	27	13								
1.5	1R5	5 × 11	10.0	27.0	35	17								
2.2	2R2	5 × 11	6.60	18.0	43	21								
3.3	3R3	5 × 11	4.10	11.0	54	27								
4.7	4R7	6.3 × 11	2.80	7.60	68	34								
6.8	6R8	6.3 × 11	1.90	5.10	83	41								
10	100	6.3 × 11	1.20	3.20	104	52								
12	120	6.3 × 11	1.00	2.70	150	75								
15	150	6.3 × 15	0.81	2.20	180	90								
18	180	6.3 × 15	0.67	1.80	220	110								
22	220	8 × 11.5	0.55	1.50	275	145								
27	270	8 × 15	0.47	1.30	300	160	10 × 12.5	0.50	1.40	380	205			
33	330	8 × 15	0.38	1.00	360	200	10 × 12.5	0.42	1.10	410	230			
39	390	8 × 20	0.33	0.89	490	280	10 × 15	0.36	0.97	500	285			
47	470	10 × 20	0.28	0.76	570	340	12.5 × 15	0.31	0.84	520	310			
56	560	10 × 20	0.24	0.65	620	375	12.5 × 15	0.27	0.73	560	340			
68	680	10 × 25	0.21	0.57	795	500	12.5 × 15	0.23	0.62	605	380			
82	820	10 × 31.5	0.18	0.49	870	555	16 × 15	0.19	0.51	681	435			
100	101	10 × 31.5	0.15	0.41	955	635	16 × 15	0.17	0.46	719	475			
120	121	12.5 × 25	0.13	0.35	1040	700	16 × 15	0.14	0.38	793	535			
150	151	12.5 × 25	0.11	0.30	1120	780	18 × 15	0.12	0.32	917	640			
180	181	12.5 × 31.5	0.098	0.26	1270	900	16 × 20	0.11	0.30	1240	880			
220	221	12.5 × 35.5	0.087	0.23	1450	1050	16 × 25	0.093	0.25	1440	1050			
270	271	12.5 × 40	0.072	0.19	1610	1200	18 × 20	0.080	0.22	1450	1080			
330	331	16 × 31.5	0.062	0.17	1790	1370	18 × 25	0.070	0.19	1650	1260			
390	391	16 × 35.5	0.053	0.14	2000	1550	18 × 31.5	0.062	0.17	1850	1430			
470	471	16 × 40	0.047	0.13	2200	1760	18 × 35.5	0.056	0.15	1970	1570			
560	561	18 × 35.5	0.041	0.11	2250	1840								
680	681	18 × 40	0.036	0.097	2300	1910								

※ In case of low profile type, [6] will be put at 12th digit of type numbering system.

Cap.(μF)	V(Code)	Code	160		200		250		315		350		400		450	
			2C	2D	2E	2F	2V	2G	2W							
1	010	8 × 11.5	19	8 × 11.5	19	8 × 11.5	19	8 × 11.5	19	10 × 12.5	21	10 × 12.5	17	10 × 15	17	
2.2	2R2	8 × 11.5	30	8 × 11.5	30	10 × 12.5	32	10 × 12.5	32	10 × 15	34	10 × 15	28	10 × 20	28	
3.3	3R3	10 × 12.5	50	10 × 12.5	50	10 × 15	52	10 × 15	52	10 × 20	54	10 × 20	47	12.5 × 20	48	
4.7	4R7	10 × 12.5	57	10 × 15	60	10 × 15	60	10 × 20	65	10 × 20	65	12.5 × 20	55	12.5 × 25	55	
10	100	10 × 15	90	10 × 20	95	12.5 × 20	98	12.5 × 20	98	12.5 × 25	100	12.5 × 25	85	16 × 25	90	
22	220	12.5 × 20	140	12.5 × 25	145	16 × 25	150	16 × 25	150	16 × 25	150	16 × 31.5	130	16 × 35.5	135	
33	330	12.5 × 25	175	16 × 25	180	16 × 25	180	16 × 31.5	185	16 × 35.5	190	18 × 35.5	170	18 × 40	170	
47	470	16 × 25	220	16 × 25	220	16 × 31.5	225	18 × 35.5	235	18 × 40	240					
100	101	16 × 35.5	330	18 × 40	345	18 × 40	345							Case size φD × L (mm)	※	

※ Rated ripple current (mArms) at 105°C 120Hz