

NPT

- ◆ 125°C 2000 Hours
- ◆ High Temperature Series
- ◆ High Stability, Low ESR, High Frequency
- ◆ RoHS Compliant (2011/65/EU) , AEC-Q200

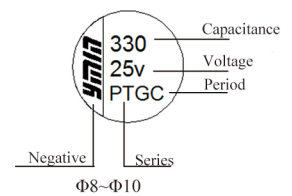
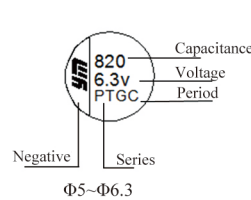
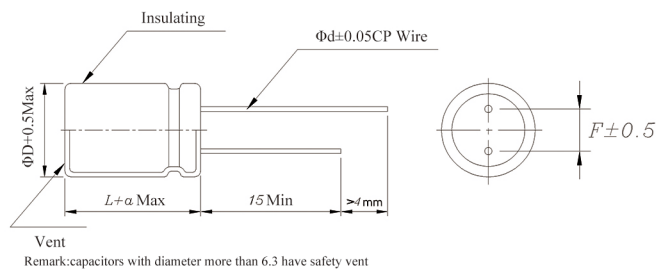


■ Specification

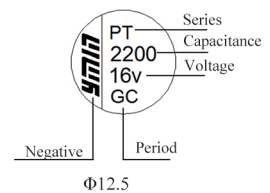
Items	Characteristics	
Operation Temperature Range	-55°C~+125°C	
Rated Voltage	6.3~100V	
Capacitance Range	2.2~10000μF 120Hz/20°C	
Capacitance Tolerance	±20%(120Hz/20°C)	
Dissipation Factor	Less than standard data 120Hz/20°C	
Leakage Current	Less than standard data charging 2mins with rated voltage, 20°C	
ESR	Less than standard data 100KHz/20°C	
Endurance	After load rated voltage for 2000hours at 125°C, the following specification shall be satisfied after placing capacitor for 16 hours at 20°C	
	Capacitance change	Within±20% of the initial value
	ESR	Not more than 150% of the specified value
	Dissipation Factor	Not more than 150% of the specified value
	Leakage current	Not more than the specified value
Humidity	Store the capacitor at 60°C under the condition of 90%~95%R.H with no load for 1000hrs, the following specifications shall be satisfied after placing capacitor for 16 hours at 20°C.	
	Capacitance change	Within±20% of the initial value
	ESR	Not more than 150% of the specified value
	Dissipation Factor	Not more than 150% of the specified value
	Leakage current	Not more than the specified value

If you have question for leakage current, please apply rated voltage on capacitors at 105°C for 2hours, then test the leakage current again at 20°C.

■ Standard Size



D(±0.5)	5	5.5	6.3	8	10	12.5
d(±0.05)	0.45/0.50	0.45/0.50	0.45/0.50	0.6	0.6	0.6
F(±0.5)	2.0	2.5	2.5	3.5	5.0	5.0
α	+1					



■ Rated Ripple Current Frequency Correction Factor

Frequency(Hz)	120Hz	1KHz	10KHz	100KHz	300KHz
Correction factor	0.10	0.45	0.50	1.00	1.00

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■ Standard Size

Rated Voltage (Surge Voltage) (V)	Capacitance (μ F)	Size Φ D×L(mm)	L.C. (μ A,2min)	Tan δ 120Hz	ESR (m Ω 100kHz)	Ripple current (mA/r.m.s) 125°C100kHz
6.3(7.2)	100	5×5.7	280	0.08	20	1100
6.3(7.2)	100	6.3×4.2	280	0.08	20	1150
6.3(7.2)	150	5×5.7	280	0.08	20	1100
6.3(7.2)	150	6.3×4.2	280	0.08	20	1150
6.3(7.2)	180	5×5.7	280	0.08	18	1200
6.3(7.2)	180	6.3×4.2	280	0.08	20	1150
6.3(7.2)	220	5×5.7	280	0.08	18	1150
6.3(7.2)	220	6.3×4.2	280	0.08	20	1200
6.3(7.2)	270	5×7	340	0.08	12	1550
6.3(7.2)	270	6.3×5.7	340	0.08	18	1300
6.3(7.2)	330	5×7	416	0.08	12	1550
6.3(7.2)	330	6.3×5.7	416	0.08	18	1300
6.3(7.2)	390	5×8	491	0.08	12	2200
6.3(7.2)	390	6.3×5.7	491	0.08	8	1550
6.3(7.2)	470	5×8	592	0.08	12	1650
6.3(7.2)	470	6.3×7	592	0.08	8	1400
6.3(7.2)	470	8×6	592	0.08	18	2200
6.3(7.2)	560	5.5×8	706	0.08	12	1750
6.3(7.2)	560	6.3×7	706	0.08	8	2200
6.3(7.2)	560	8×6	706	0.08	16	1600
6.3(7.2)	680	6.3×8	857	0.08	8	2300
6.3(7.2)	680	8×7	857	0.08	12	1900
6.3(7.2)	820	5.5×9	1033	0.08	8	2250
6.3(7.2)	820	6.3×9	1033	0.08	8	2250
6.3(7.2)	820	6.3×7.5	1033	0.08	8	2400
6.3(7.2)	820	8×7	1033	0.08	12	1900
6.3(7.2)	1000	6.3×10	1260	0.08	8	2500
6.3(7.2)	1000	8×8	1260	0.08	8	2550
6.3(7.2)	1000	10×7	1260	0.08	12	2050
6.3(7.2)	1200	6.3×11	1512	0.08	8	2600
6.3(7.2)	1200	8×9	1512	0.08	8	2650
6.3(7.2)	1200	10×8	1512	0.08	8	2650
6.3(7.2)	1500	8×11	1890	0.09	8	2800
6.3(7.2)	1500	10×9	1890	0.09	8	2750
6.3(7.2)	2000	8×14	2520	0.10	7	3250
6.3(7.2)	2000	10×10	2520	0.10	8	2900
6.3(7.2)	2200	8×14	2772	0.10	7	3500
6.3(7.2)	2200	10×10	2772	0.10	8	2900
6.3(7.2)	2500	10×12	3150	0.11	8	3000
6.3(7.2)	2700	10×12	3402	0.11	8	3000
6.3(7.2)	3300	10×12	4158	0.13	8	3000
6.3(7.2)	3900	10×14	4914	0.14	7	3500
6.3(7.2)	4700	10×16	5922	0.15	7	3700

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■ Standard Size

Rated Voltage (Surge Voltage) (V)	Capacitance (μ F)	Size Φ D×L(mm)	L.C. (μ A,2min)	Tan δ 120Hz	ESR (m Ω 100kHz)	Ripple current (mA/r.m.s) 125°C100kHz
6.3(7.2)	4700	12.5×12.5	5922	0.15	8	3500
6.3(7.2)	5600	10×18	7056	0.17	7	3850
6.3(7.2)	5600	12.5×14	7056	0.17	8	3500
6.3(7.2)	6800	10×21	7500	0.20	7	4150
6.3(7.2)	6800	12.5×16	7500	0.20	7	4050
6.3(7.2)	8200	12.5×18	7500	0.22	7	4300
6.3(7.2)	10000	12.5×20	7500	0.26	7	4500
7.5(8.6)	270	5×7	405	0.08	12	1550
7.5(8.6)	270	6.3×5.7	405	0.08	18	1300
7.5(8.6)	330	5×9	495	0.08	12	1750
7.5(8.6)	330	6.3×5.7	495	0.08	12	1650
7.5(8.6)	390	5×10	585	0.08	10	1500
7.5(8.6)	390	6.3×7	585	0.08	12	2000
7.5(8.6)	390	8×6	585	0.08	18	1800
7.5(8.6)	470	5×11	705	0.08	10	2050
7.5(8.6)	470	5.15×9	705	0.08	12	1400
7.5(8.6)	470	6.3×8	705	0.08	12	1900
7.5(8.6)	470	8×6	705	0.08	18	1750
7.5(8.6)	560	6.3×9	840	0.08	9	1500
7.5(8.6)	560	8×6	840	0.08	18	2300
7.5(8.6)	680	6.3×10	1020	0.08	8	1900
7.5(8.6)	680	8×7	1020	0.08	12	2500
7.5(8.6)	820	6.3×11	1230	0.08	8	2550
7.5(8.6)	820	8×8	1230	0.08	8	2600
7.5(8.6)	1000	6.3×11	1500	0.08	8	2700
7.5(8.6)	1000	8×9	1500	0.08	8	2650
10(11.5)	47	5×5.7	280	0.08	30	900
10(11.5)	47	6.3×4.2	280	0.08	30	950
10(11.5)	68	5×5.7	280	0.08	30	900
10(11.5)	68	6.3×4.2	280	0.08	30	950
10(11.5)	82	5×5.7	280	0.08	30	900
10(11.5)	82	6.3×4.2	280	0.08	30	950
10(11.5)	100	5×5.7	280	0.08	30	900
10(11.5)	100	6.3×4.2	280	0.08	30	950
10(11.5)	150	5×7	300	0.08	15	1400
10(11.5)	150	6.3×5.7	300	0.08	30	1000
10(11.5)	180	5×7	360	0.08	15	1400
10(11.5)	180	6.3×5.7	360	0.08	30	1000
10(11.5)	220	5×7	440	0.08	15	1400
10(11.5)	220	6.3×5.7	440	0.08	30	1000
10(11.5)	270	5×10	540	0.08	12	1450
10(11.5)	270	6.3×5.7	540	0.08	16	1800
10(11.5)	330	5×11	660	0.08	12	1900

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■ Standard Size

Rated Voltage (Surge Voltage) (V)	Capacitance (μ F)	Size Φ D×L(mm)	L.C. (μ A,2min)	Tan δ 120Hz	ESR (m Ω 100kHz)	Ripple current (mA/r.m.s) 125°C100kHz
10(11.5)	330	6.3×7	660	0.08	16	1450
10(11.5)	390	6.3×7	780	0.08	12	1800
10(11.5)	390	8×6	780	0.08	30	1150
10(11.5)	470	6.3×8	940	0.08	12	1950
10(11.5)	470	8×7	940	0.08	30	1150
10(11.5)	560	6.3×10	1120	0.08	10	1150
10(11.5)	560	8×7	1120	0.08	14	2250
10(11.5)	680	6.3×11	1360	0.08	9	2450
10(11.5)	680	8×8	1360	0.08	10	2300
10(11.5)	820	8×9	1640	0.08	9	2500
10(11.5)	820	10×7	1640	0.08	14	1300
10(11.5)	1000	8×11	2000	0.08	9	2650
10(11.5)	1000	10×8	2000	0.08	9	2500
10(11.5)	1500	8×14	3000	0.09	8	3150
10(11.5)	1500	10×12	3000	0.09	9	2900
10(11.5)	2200	10×14	4400	0.10	8	3150
10(11.5)	2500	10×14	5000	0.11	8	3150
10(11.5)	2700	10×16	5400	0.11	8	3500
10(11.5)	3300	10×18	6600	0.13	8	3500
10(11.5)	3300	12.5×14	6600	0.13	9	3500
10(11.5)	3900	10×21	7500	0.14	8	3850
10(11.5)	3900	12.5×16	7500	0.14	8	3850
10(11.5)	4700	12.5×18	7500	0.15	8	3850
10(11.5)	5600	12.5×18	7500	0.17	8	4000
10(11.5)	6800	12.5×20	7500	0.20	8	4200
12(13.8)	180	5×7	432	0.08	15	1400
12(13.8)	180	6.3×5.7	432	0.08	30	1000
12(13.8)	220	5×9	528	0.08	15	1450
12(13.8)	220	6.3×5.7	528	0.08	16	1550
12(13.8)	270	5×10	648	0.08	12	1800
12(13.8)	270	6.3×7	648	0.08	16	1450
12(13.8)	330	5×10	792	0.08	12	1800
12(13.8)	330	6.3×7	792	0.08	12	1800
12(13.8)	330	8×6	792	0.08	30	1150
12(13.8)	390	5×11	936	0.08	12	1600
12(13.8)	390	5.5×9	936	0.08	15	1900
12(13.8)	390	6.3×8	936	0.08	12	1900
12(13.8)	470	6.3×9	1128	0.08	12	1950
12(13.8)	470	8×7	1128	0.08	14	1150
12(13.8)	560	6.3×10	1344	0.08	10	2250
12(13.8)	560	8×7	1344	0.08	14	1150
12(13.8)	680	6.3×11	1632	0.08	9	2450
12(13.8)	680	8×8	1632	0.08	10	2300

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■ Standard Size

Rated Voltage (Surge Voltage) (V)	Capacitance (μ F)	Size Φ D×L(mm)	L.C. (μ A,2min)	Tan δ 120Hz	ESR ($m\Omega$ 100kHz)	Ripple current (mA/r.m.s) 125°C100kHz
12(13.8)	1000	8×10	2400	0.08	10	2400
16(18.4)	22	5×5.7	280	0.08	30	900
16(18.4)	22	6.3×4.2	280	0.08	30	950
16(18.4)	33	5×5.7	280	0.08	30	900
16(18.4)	33	6.3×4.2	280	0.08	30	950
16(18.4)	47	5×5.7	280	0.08	30	900
16(18.4)	47	6.3×4.2	280	0.08	30	950
16(18.4)	68	5×5.7	280	0.08	30	900
16(18.4)	68	6.3×4.2	280	0.08	30	950
16(18.4)	82	5.15×5.7	280	0.08	30	950
16(18.4)	82	6.3×4.2	280	0.08	30	900
16(18.4)	100	5×7	320	0.08	30	950
16(18.4)	100	5×7	320	0.08	30	1000
16(18.4)	100	6.3×5.7	320	0.08	30	950
16(18.4)	150	5×8	480	0.08	30	1000
16(18.4)	150	6.3×5.7	480	0.08	30	1000
16(18.4)	220	5×10	704	0.08	12	1300
16(18.4)	220	5.5×9	704	0.08	12	1800
16(18.4)	220	6.3×7	704	0.08	20	1300
16(18.4)	220	6.3×7	704	0.08	20	1800
16(18.4)	270	6.3×8	864	0.08	15	1150
16(18.4)	270	8×7	864	0.08	30	1600
16(18.4)	330	6.3×9	1056	0.08	12	1150
16(18.4)	330	8×7	1056	0.08	30	1950
16(18.4)	390	6.3×9	1248	0.08	12	1950
16(18.4)	470	6.3×11	1504	0.08	10	1500
16(18.4)	470	8×8	1504	0.08	20	2250
16(18.4)	560	8×9	1792	0.08	12	2150
16(18.4)	560	10×8	1792	0.08	12	2150
16(18.4)	680	8×10	2176	0.08	10	2150
16(18.4)	680	10×8	2176	0.08	12	2400
16(18.4)	820	8×12	2624	0.08	10	2500
16(18.4)	820	10×9	2624	0.08	12	2250
16(18.4)	1000	8×14	3200	0.08	8	2650
16(18.4)	1000	8×16	3200	0.08	10	3150
16(18.4)	1000	10×9	3200	0.08	12	2400
16(18.4)	1500	10×12	4800	0.09	8	3850
16(18.4)	1800	10×16	5760	0.10	8	3150
16(18.4)	2200	10×18	7040	0.10	8	3500
16(18.4)	2200	10×20	7040	0.10	8	3500
16(18.4)	2200	12.5×14	7040	0.10	10	3250
16(18.4)	2700	10×21	7500	0.11	8	3850
16(18.4)	2700	12.5×16	7500	0.11	10	3250

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■ Standard Size

Rated Voltage (Surge Voltage) (V)	Capacitance (μ F)	Size Φ D \times L(mm)	L.C. (μ A,2min)	Tan δ 120Hz	ESR (m Ω 100kHz)	Ripple current (mA/r.m.s) 125°C100kHz
16(18.4)	3300	12.5 \times 18	7500	0.13	8	3850
16(18.4)	3900	12.5 \times 20	7500	0.14	8	4000
25(28.8)	10	5 \times 5.7	280	0.08	40	750
25(28.8)	10	6.3 \times 4.2	280	0.08	40	850
25(28.8)	15	5 \times 5.7	280	0.08	40	750
25(28.8)	15	6.3 \times 4.2	280	0.08	40	850
25(28.8)	22	5 \times 5.7	280	0.08	40	750
25(28.8)	22	6.3 \times 4.2	280	0.08	40	850
25(28.8)	33	5 \times 5.7	280	0.08	40	750
25(28.8)	33	6.3 \times 4.2	280	0.08	40	850
25(28.8)	39	5 \times 5.7	280	0.08	40	750
25(28.8)	39	6.3 \times 4.2	280	0.08	40	850
25(28.8)	47	5 \times 5.7	280	0.08	30	950
25(28.8)	47	6.3 \times 4.2	280	0.08	40	850
25(28.8)	68	5 \times 7	340	0.08	30	1000
25(28.8)	68	6.3 \times 5.7	340	0.08	40	900
25(28.8)	100	5 \times 9	500	0.08	30	1100
25(28.8)	100	6.3 \times 5.7	500	0.08	30	1000
25(28.8)	150	6.3 \times 8	750	0.08	16	1600
25(28.8)	150	8 \times 6	750	0.08	30	1150
25(28.8)	180	6.3 \times 8	900	0.08	16	1600
25(28.8)	180	8 \times 7	900	0.08	30	1150
25(28.8)	220	6.3 \times 9	1100	0.08	20	1600
25(28.8)	220	8 \times 7	1100	0.08	30	1250
25(28.8)	220	10 \times 6	1100	0.08	30	1250
25(28.8)	330	8 \times 9	1650	0.08	16	1850
25(28.8)	330	10 \times 8	1650	0.08	16	1900
25(28.8)	470	8 \times 14	2350	0.08	16	2200
25(28.8)	470	8 \times 11	2350	0.08	16	1900
25(28.8)	470	10 \times 9	2350	0.08	16	1950
25(28.8)	560	8 \times 14	2800	0.08	16	2200
25(28.8)	560	8 \times 11	2800	0.08	16	2000
25(28.8)	560	10 \times 10	2800	0.08	16	2050
25(28.8)	680	8 \times 14	3400	0.08	16	2200
25(28.8)	680	10 \times 12	3400	0.08	16	2150
25(28.8)	820	8 \times 16	4100	0.08	16	2200
25(28.8)	820	8 \times 17	4100	0.08	16	2300
25(28.8)	820	10 \times 13	4100	0.08	16	2250
25(28.8)	1000	10 \times 16	5000	0.08	16	2400
25(28.8)	1000	12.5 \times 12.5	5000	0.08	16	2400
25(28.8)	1500	10 \times 18	7500	0.09	16	2550
25(28.8)	1500	12.5 \times 14	7500	0.09	16	2550
25(28.8)	1800	10 \times 21	7500	0.10	16	2750

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Rated Voltage (Surge Voltage) (V)	Capacitance (μ F)	Size Φ D×L(mm)	L.C. (μ A,2min)	Tan δ 120Hz	ESR (m Ω 100kHz)	Ripple current (mA/r.m.s) 125°C100kHz
25(28.8)	1800	12.5×16	7500	0.10	16	2700
25(28.8)	2200	12.5×18	7500	0.10	16	2800
25(28.8)	2700	12.5×20	7500	0.11	16	3000
35(41)	10	5×5.7	300	0.12	60	650
35(41)	10	6.3×4.2	300	0.12	60	650
35(41)	15	5×5.7	300	0.12	60	650
35(41)	15	6.3×4.2	300	0.12	60	650
35(41)	22	5×5.7	300	0.12	60	650
35(41)	22	6.3×4.2	300	0.12	60	650
35(41)	33	5×5.7	300	0.12	60	650
35(41)	33	6.3×4.2	300	0.12	60	650
35(41)	39	5×7	300	0.12	50	800
35(41)	39	6.3×5.7	300	0.12	60	700
35(41)	47	5×7	329	0.12	50	800
35(41)	47	6.3×5.7	329	0.12	60	700
35(41)	56	5×7	392	0.12	50	800
35(41)	56	6.3×5.7	392	0.12	60	750
35(41)	68	5×8	476	0.12	50	850
35(41)	68	6.3×5.7	476	0.12	60	750
35(41)	68	8×6	476	0.12	60	750
35(41)	82	5×9	574	0.12	50	900
35(41)	82	6.3×7	574	0.12	50	900
35(41)	100	6.3×7	700	0.12	50	900
35(41)	100	8×6	700	0.12	60	850
35(41)	120	6.3×8	840	0.12	50	950
35(41)	120	8×7	840	0.12	60	900
35(41)	150	6.3×9	1050	0.12	50	1000
35(41)	150	8×7	1050	0.12	60	900
35(41)	180	6.3×10	1260	0.12	40	1150
35(41)	180	8×7	1260	0.12	60	900
35(41)	220	6.3×11	1540	0.12	40	1200
35(41)	220	8×8	1540	0.12	50	950
35(41)	220	10×7	1540	0.12	60	1000
35(41)	330	8×10	2310	0.12	30	1100
35(41)	330	10×8	2310	0.12	50	1400
35(41)	390	8×12	2730	0.12	30	1450
35(41)	390	10×10	2730	0.12	50	1150
35(41)	470	8×14	3290	0.12	20	1950
35(41)	470	10×12	3290	0.12	30	1550
35(41)	560	8×16	3920	0.12	20	2050
35(41)	560	10×12	3920	0.12	30	1600
35(41)	680	10×14	4760	0.12	20	2050
35(41)	820	10×16	5000	0.12	20	1800

NPT

■ Standard Size

Rated Voltage (Surge Voltage) (V)	Capacitance (μ F)	Size Φ D×L(mm)	L.C. (μ A,2min)	Tan δ 120Hz	ESR (m Ω 100kHz)	Ripple current (mA/r.m.s) 125°C100kHz
35(41)	820	12.5×12.5	5000	0.12	30	2150
35(41)	1000	10×18	5000	0.08	20	2300
35(41)	1000	12.5×14	5000	0.08	30	1900
35(41)	1200	10×21	5000	0.08	20	2400
35(41)	1200	12.5×16	5000	0.08	20	2400
35(41)	1500	12.5×18	5000	0.09	20	2550
35(41)	1800	12.5×20	5000	0.10	20	2650
50(58)	10	5×5.7	300	0.12	60	650
50(58)	10	6.3×4.2	300	0.12	60	650
50(58)	12	5×5.7	300	0.12	60	650
50(58)	12	6.3×4.2	300	0.12	60	650
50(58)	15	5×5.7	300	0.12	60	650
50(58)	15	6.3×4.2	300	0.12	60	650
50(58)	18	5×7	300	0.12	60	650
50(58)	18	6.3×5.7	300	0.12	60	650
50(58)	22	5×7	300	0.12	60	700
50(58)	22	6.3×5.7	300	0.12	60	650
50(58)	33	5×9	330	0.12	50	850
50(58)	33	6.3×7	330	0.12	60	750
50(58)	39	5×10	390	0.12	40	1000
50(58)	39	6.3×7	390	0.12	60	750
50(58)	47	6.3×8	470	0.12	50	750
50(58)	47	8×7	470	0.12	60	900
50(58)	56	6.3×9	560	0.12	50	900
50(58)	56	8×7	560	0.12	60	850
50(58)	68	6.3×10	680	0.12	50	1000
50(58)	68	8×7	680	0.12	60	850
50(58)	82	6.3×11	820	0.12	40	900
50(58)	82	8×8	820	0.12	60	1150
50(58)	100	8×9	1000	0.12	50	950
50(58)	100	10×7	1000	0.12	60	1000
50(58)	120	8×10	1200	0.12	50	1050
50(58)	120	10×7	1200	0.12	60	950
50(58)	150	8×12	1500	0.12	50	1050
50(58)	150	10×8	1500	0.12	50	1100
50(58)	180	8×14	1800	0.12	40	1300
50(58)	180	10×9	1800	0.12	50	1100
50(58)	220	8×16	2200	0.12	30	1750
50(58)	220	10×12	2200	0.12	40	1600
50(58)	220	10×12	2200	0.12	50	1350
50(58)	270	10×13	2700	0.12	40	1400
50(58)	330	10×16	3300	0.12	30	1750
50(58)	390	10×18	3900	0.12	30	1750

NPT

■ Standard Size

Rated Voltage (Surge Voltage) (V)	Capacitance (μ F)	Size Φ D×L(mm)	L.C. (μ A,2min)	Tan δ 120Hz	ESR (m Ω 100kHz)	Ripple current (mA/r.m.s) 125°C100kHz
50(58)	390	12.5×14	3900	0.12	40	1550
50(58)	470	10×21	4700	0.12	30	1850
50(58)	470	12.5×14	4700	0.12	40	1600
50(58)	560	12.5×16	5000	0.12	30	1950
50(58)	680	12.5×20	5000	0.12	30	2050
50(58)	820	12.5×20	5000	0.12	30	2150
63(73)	6.8	5×5.7	300	0.12	60	650
63(73)	6.8	6.3×4.2	300	0.12	60	650
63(73)	8.2	5×5.7	300	0.12	60	650
63(73)	8.2	6.3×4.2	300	0.12	60	650
63(73)	10	5×7	300	0.12	60	650
63(73)	10	6.3×4.2	300	0.12	60	650
63(73)	15	5×7	300	0.12	60	650
63(73)	15	6.3×5.7	300	0.12	60	650
63(73)	22	5×9	300	0.12	50	900
63(73)	22	6.3×7	300	0.12	50	900
63(73)	33	6.3×8	416	0.12	50	900
63(73)	33	8×7	416	0.12	60	850
63(73)	39	6.3×9	491	0.12	50	1000
63(73)	39	8×7	491	0.12	60	850
63(73)	47	6.3×10	592	0.12	40	900
63(73)	47	8×8	592	0.12	60	1150
63(73)	56	8×8	706	0.12	50	900
63(73)	56	10×8	706	0.12	60	1000
63(73)	68	8×9	857	0.12	50	950
63(73)	68	10×7	857	0.12	60	1050
63(73)	82	8×10	1033	0.12	50	950
63(73)	82	10×9	1033	0.12	60	1050
63(73)	100	8×12	1260	0.12	40	1250
63(73)	100	10×10	1260	0.12	50	1100
63(73)	120	10×12	1512	0.12	50	1400
63(73)	150	10×13	1890	0.12	40	1400
63(73)	180	10×14	2268	0.12	30	1650
63(73)	220	10×16	2772	0.12	30	1550
63(73)	220	12.5×12.5	2772	0.12	40	1750
63(73)	270	10×21	3402	0.12	30	1850
63(73)	270	12.5×14	3402	0.12	40	1600
63(73)	330	10×21	4158	0.12	30	2000
63(73)	330	12.5×16	4158	0.12	30	1950
63(73)	390	12.5×18	4914	0.12	30	2050
63(73)	470	12.5×20	5000	0.12	30	2150
80(92)	4.7	5×5.7	300	0.12	60	650
80(92)	4.7	6.3×4.2	300	0.12	60	650

NPT

■ Standard Size

Rated Voltage (Surge Voltage) (V)	Capacitance (μ F)	Size Φ D×L(mm)	L.C. (μ A,2min)	Tan δ 120Hz	ESR (m Ω 100kHz)	Ripple current (mA/r.m.s) 125°C100kHz
80(92)	6.8	5×5.7	300	0.12	60	650
80(92)	6.8	6.3×4.2	300	0.12	60	650
80(92)	8.2	5×7	300	0.12	60	650
80(92)	8.2	6.3×4.2	300	0.12	60	650
80(92)	10	5×7	300	0.12	60	650
80(92)	10	6.3×5.7	300	0.12	60	650
80(92)	15	5×9	300	0.12	50	900
80(92)	15	6.3×7	300	0.12	50	900
80(92)	22	6.3×8	352	0.12	50	900
80(92)	22	8×7	352	0.12	60	850
80(92)	33	6.3×10	528	0.12	40	1150
80(92)	33	8×7	528	0.12	60	850
80(92)	39	6.3×11	624	0.12	40	1200
80(92)	39	8×8	624	0.12	50	1000
80(92)	47	8×9	752	0.12	50	1000
80(92)	47	10×7	752	0.12	60	950
80(92)	56	8×10	896	0.12	50	1050
80(92)	56	10×9	896	0.12	50	1050
80(92)	68	8×11	1088	0.12	40	1250
80(92)	68	10×9	1088	0.12	50	1050
80(92)	82	8×14	1312	0.12	40	1350
80(92)	82	10×10	1312	0.12	50	1150
80(92)	100	8×16	1600	0.12	30	1600
80(92)	100	10×12	1600	0.12	40	1350
80(92)	120	10×13	1920	0.12	40	1400
80(92)	150	10×16	2400	0.12	30	1550
80(92)	150	12.5×12.5	2400	0.12	40	1750
80(92)	180	10×18	2880	0.12	30	1850
80(92)	180	12.5×14	2880	0.12	40	1600
80(92)	220	10×21	3520	0.12	30	2000
80(92)	220	12.5×16	3520	0.12	30	1950
80(92)	270	12.5×18	4320	0.12	30	2050
80(92)	330	12.5×20	5000	0.12	30	2150
100(115)	2.2	5×5.7	300	0.12	80	550
100(115)	2.2	6.3×4.2	300	0.12	80	600
100(115)	3.3	5×5.7	300	0.12	60	650
100(115)	3.3	6.3×4.2	300	0.12	80	600
100(115)	4.7	5×7	300	0.12	60	650
100(115)	4.7	6.3×5.7	300	0.12	80	650
100(115)	5.6	5×7	300	0.12	60	650
100(115)	5.6	6.3×5.7	300	0.12	80	650
100(115)	6.8	5×8	300	0.12	60	750
100(115)	6.8	6.3×5.7	300	0.12	60	700

NPT

■ Standard Size

Rated Voltage (Surge Voltage) (V)	Capacitance (μ F)	Size Φ D \times L(mm)	L.C. (μ A,2min)	Tan δ 120Hz	ESR (m Ω 100kHz)	Ripple current (mA/r.m.s) 125°C100kHz
100(115)	8.2	5 \times 9	300	0.12	60	800
100(115)	8.2	6.3 \times 7	300	0.12	60	750
100(115)	10	6.3 \times 7	300	0.12	60	750
100(115)	12	6.3 \times 8	300	0.12	50	900
100(115)	15	6.3 \times 9	300	0.12	50	1000
100(115)	15	8 \times 7	300	0.12	60	850
100(115)	18	6.3 \times 10	360	0.12	50	900
100(115)	18	8 \times 8	360	0.12	60	1050
100(115)	22	6.3 \times 12	440	0.12	50	1000
100(115)	22	8 \times 8	440	0.12	50	1050
100(115)	27	8 \times 11	540	0.12	50	1000
100(115)	27	10 \times 7	540	0.12	60	950
100(115)	33	8 \times 11	660	0.12	50	1050
100(115)	33	10 \times 9	660	0.12	50	1150
100(115)	39	8 \times 14	780	0.12	50	1100
100(115)	39	10 \times 9	780	0.12	50	1150
100(115)	47	10 \times 10	940	0.12	50	1150
100(115)	56	10 \times 12	1120	0.12	50	1200
100(115)	68	10 \times 16	1360	0.12	50	1250
100(115)	82	10 \times 18	1640	0.12	40	1400
100(115)	82	12.5 \times 12.5	1640	0.12	50	1400
100(115)	100	10 \times 21	2000	0.12	40	1600
100(115)	100	12.5 \times 14	2000	0.12	50	1450
100(115)	120	10 \times 21	2400	0.12	40	1650
100(115)	120	12.5 \times 16	2400	0.12	40	1650
100(115)	150	12.5 \times 18	3000	0.12	40	1800
100(115)	180	12.5 \times 20	3600	0.12	40	1900