



PG Series

- Smaller size with higher ripple current.
- Load life 5,000 hours at 105°C .



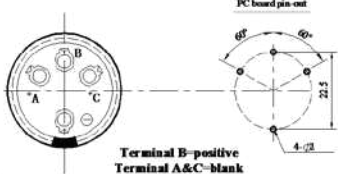
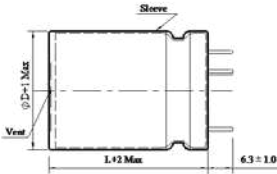
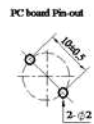
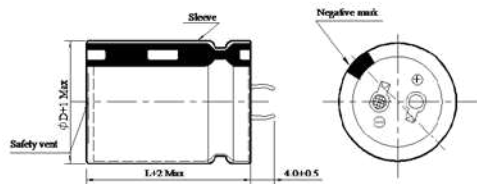
◆ SPECIFICATIONS

Item	Performance Characteristics																															
Category Temperature Range	-25 ~ +105℃																															
Working Voltage Range	200 ~ 450Vdc																															
Capacitance Range	68 ~ 1,800μF																															
Capacitance Tolerance	±20% (at 25℃ and 120Hz)																															
Dissipation Factor (tan δ) (at 25℃ , 120Hz)	<table><tr><td>Rated Voltage (V)</td><td>200</td><td>220</td><td>250</td><td>400</td><td>420</td><td>450</td></tr><tr><td>tanδ(Max)</td><td>0.20</td><td>0.20</td><td>0.20</td><td>0.25</td><td>0.25</td><td>0.25</td></tr></table>								Rated Voltage (V)	200	220	250	400	420	450	tanδ(Max)	0.20	0.20	0.20	0.25	0.25	0.25										
Rated Voltage (V)	200	220	250	400	420	450																										
tanδ(Max)	0.20	0.20	0.20	0.25	0.25	0.25																										
Leakage Current	I=0.02CV or 3000μA, whichever is smaller I : Leakage current (μA) C : Rated capacitance (μF) V : Rated voltage (V) Impress the rated voltage for 5 minutes.																															
Endurance	The following requirements shall be satisfied when the capacitor are restored to 25℃ after the rated voltage applied for 5,000 hours at 105℃. <table><tr><td>Capacitance change</td><td colspan="7">≒ ±20% of the initial value</td></tr><tr><td>Dissipation factor(tan δ)</td><td colspan="7">≒ 200% of the specified value</td></tr><tr><td>Leakage current</td><td colspan="7">≒ specified value</td></tr></table>								Capacitance change	≒ ±20% of the initial value							Dissipation factor(tan δ)	≒ 200% of the specified value							Leakage current	≒ specified value						
Capacitance change	≒ ±20% of the initial value																															
Dissipation factor(tan δ)	≒ 200% of the specified value																															
Leakage current	≒ specified value																															
Shelf Life	The following requirements shall be satisfied when the capacitor are restored to 25℃ after exposing them for 1,000 hours at 105℃ without voltage applied. <table><tr><td>Capacitance change</td><td colspan="7">≒ ±20% of the initial value</td></tr><tr><td>Dissipation factor(tanδ)</td><td colspan="7">≒ 200% of the specified value</td></tr><tr><td>Leakage current</td><td colspan="7">≒ 200% of the specified value</td></tr></table>								Capacitance change	≒ ±20% of the initial value							Dissipation factor(tanδ)	≒ 200% of the specified value							Leakage current	≒ 200% of the specified value						
Capacitance change	≒ ±20% of the initial value																															
Dissipation factor(tanδ)	≒ 200% of the specified value																															
Leakage current	≒ 200% of the specified value																															
Others	Conforms to JIS-C-5101-4 (1998), characteristic W.																															

◆ DIMENSIONS (mm)

Terminal Code : ND : Standard

Terminal Code :K6 (ø35)



◆ PART NUMBERING SYSTEM (Example : 450V 470μF)

P G 2 W 4 7 1 M N D 3 5 5 1

Special Request

Size code(3551 : 35×51)

Terminal length code

Lead forming Type code

Capacitance tolerance code(M:±20%)

Capacitance code (470μF)

Voltage code (450V)

Series code (PG)



PG Series

◆ Case size & Permissible rated ripple current: (mA rms) at 120Hz / 105°C:

Vdc uF ΦD	200								Vdc uF ΦD	220							
	Φ 22		Φ 25		Φ 30		Φ 35			Φ 22		Φ 25		Φ 30		Φ 35	
	ΦD x L	RC	ΦD x L	RC	ΦD x L	RC	ΦD x L	RC		ΦD x L	RC	ΦD x L	RC	ΦD x L	RC	ΦD x L	RC
270	22x31	1010							220	22x31	900						
330	22x35	1150							270	22x31	950						
390	22x41	1210	25x31	1200					330	22x35	1200	25x31	1150				
470	22x45	1330	25x35	1320					390	22x41	1300	25x35	1320				
560	22x51	1470	25x41	1460	30x31	1460			470	22x45	1520	25x41	1400	30x31	1350		
680			25x45	1620	30x35	1630			560	22x51	1610	25x45	1510	30x35	1510		
820			25x51	1780	30x41	1830	35x31	1820	680			25x51	1710	30x41	1660	35x31	1620
1000					30x45	2100	35x35	2100	820					30x45	1820	35x35	1760
1200					30x51	2410	35x41	2420	1000					30x51	2160	35x41	2140
1500							35x51	2810	1200							35x45	2520
1800									1500							35x51	2960

Vdc uF ΦD	250								Vdc uF ΦD	400							
	Φ 22		Φ 25		Φ 30		Φ 35			Φ 22		Φ 25		Φ 30		Φ 35	
	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC		ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC
120									68	22×25	470						
150									82	22×25	580						
180									100	22×31	640	25×25	640				
220	22×31	910							120	22×35	690	25×31	680				
270	22×35	1050							150	22×41	810	25×31	810	30×25	750		
330	22×41	1170	25×35	1160					180	22×45	900	25×35	890	30×31	870		
390	22×45	1360	25×41	1330	30×31	1360			220	22×51	1010	25×41	1000	30×35	1000	35×31	1000
470	22×51	1460	25×45	1430	30×35	1510			270			25×51	1100	30×41	1100	35×31	1110
560			25×51	1640	30×41	1640			330					30×45	1310	35×35	1310
680					30×45	1820	35×35	1820	390					30×51	1410	35×41	1420
820					30×51	1990	35×41	2030	470							35×45	1530
1000							35×45	2140	560							35×51	1680
1200							35×51	2760	680							35×55	1880

Vdc uF ΦD	420								Vdc uF ΦD	450							
	Φ 22		Φ 25		Φ 30		Φ 35			Φ 22		Φ 25		Φ 30		Φ 35	
	ΦD x L	RC	ΦD x L	RC	ΦD x L	RC	ΦD x L	RC		ΦD x L	RC	ΦD x L	RC	ΦD x L	RC	ΦD x L	RC
68	22x25	460							68	22x25	490						
82	22x31	590	25x25	600					82	22x31	590						
100	22x35	630	25x31	620					100	22x35	640	25x31	640	30x25	580		
120	22x41	670	25x31	700	30x25	750			120	22x41	690	25x35	690	30x25	670		
150	22x45	790	25x35	800	30x31	770			150	22x45	810	25x41	810	30x31	740	35x25	690
180	22x51	880	25x41	870	30x31	890			180	22x51	900	25x45	870	30x35	840	35x31	790
220			25x45	990	30x35	1050	35x31	980	220			25x51	1010	30x41	940	35x31	970
270			25x51	1270	30x41	1100	35x35	1080	270					30x45	1070	35x35	1080
330					30x45	1260	35x41	1230	330					30x51	1210	35x41	1250
390					30x51	1380	35x45	1350	390							35x45	1380
470							35x51	1450	470							35x51	1560
560							35x55	1650	560								

◆ RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Vdc	Frequency (Hz)				
	50/60	120	1K	10K	100K
200 ~ 250	0.80	1.00	1.20	1.30	1.40
400 ~ 450	0.80	1.00	1.10	1.12	1.15