



HESTORE.HU

elektronikai alkatrész áruház

EN: This Datasheet is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.



PG Series

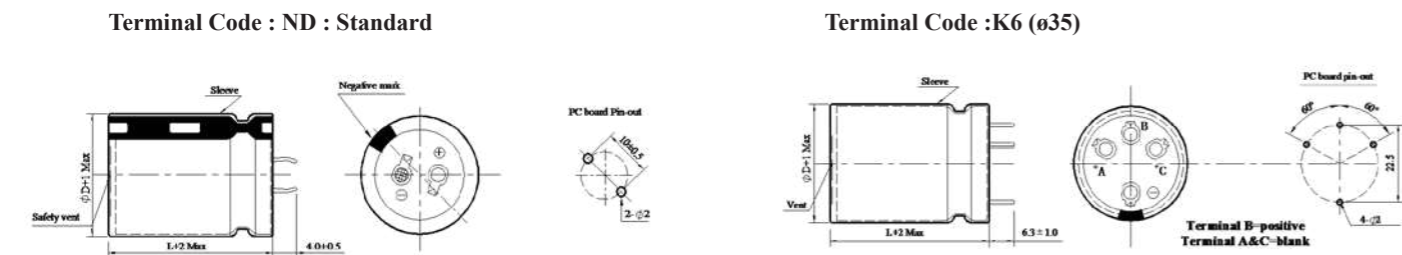
- Smaller size with higher ripple current.
- Load life 5,000 hours at 105°C .



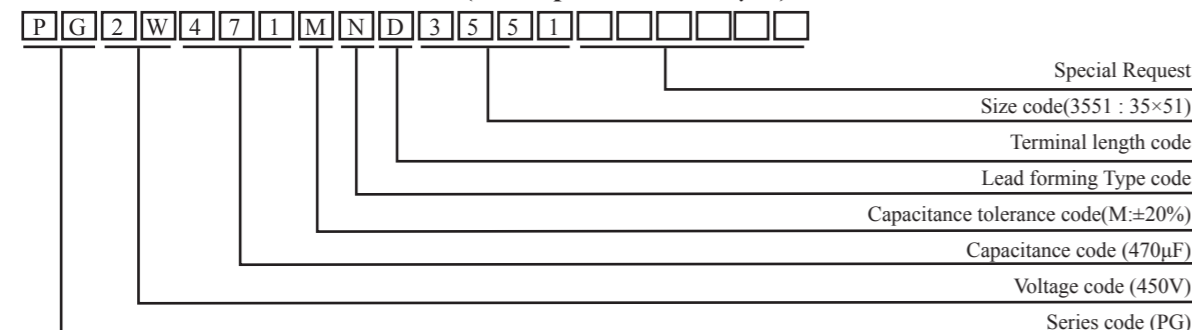
◆ SPECIFICATIONS

Item	Performance Characteristics						
Category Temperature Range	-25 ~ +105°C						
Working Voltage Range	200 ~ 450Vdc						
Capacitance Range	68 ~ 1,800µF						
Capacitance Tolerance	±20% (at 25°C and 120Hz)						
Dissipation Factor (tan δ) (at 25°C, 120Hz)	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°C after the rated voltage applied for 5,000 hours at 105°C.						
	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°C after exposing them for 1,000 hours at 105°C without voltage applied.						
	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)



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



PG Series

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

Vdc uF	200								Vdc uF	220							
	Φ 22		Φ 25		Φ 30		Φ 35			Φ 22		Φ 25		Φ 30		Φ 35	
ΦD	ΦD x L	RC	ΦD x L	RC	ΦD x L	RC	ΦD x L	RC	ΦD	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	250								Vdc uF	400							
	Φ 22		Φ 25		Φ 30		Φ 35			Φ 22		Φ 25		Φ 30		Φ 35	
ΦD	ΦD x L	RC	ΦD x L	RC	ΦD x L	RC	ΦD x L	RC	ΦD	ΦD x L	RC	ΦD x L	RC	ΦD x L	RC	ΦD x L	RC
120									68	22x25	470						
150									82	22x25	580						
180									100	22x31	640	25x25	640				
220	22x31	910							120	22x35	690	25x31	680				
270	22x35	1050							150	22x41	810	25x31	810	30x25	750		
330	22x41	1170	25x35	1160					180	22x45	900	25x35	890	30x31	870		
390	22x45	1360	25x41	1330	30x31	1360			220	22x51	1010	25x41	1000	30x35	1000	35x31	1000
470	22x51	1460	25x45	1430	30x35	1510			270			25x51	1100	30x41	1100	35x31	1110
560			25x51	1640	30x41	1640			330					30x45	1310	35x35	1310
680					30x45	1820	35x35	1820	390					30x51	1410	35x41	1420
820					30x51	1990	35x41	2030	470							35x45	1530
1000							35x45	2140	560							35x51	1680
1200							35x51	2760	680							35x55	1880

Vdc uF	420								Vdc uF	450							
	Φ 22		Φ 25		Φ 30		Φ 35			Φ 22		Φ 25		Φ 30		Φ 35	
ΦD	ΦD x L	RC	ΦD x L	RC	ΦD x L	RC	ΦD x L	RC	ΦD	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

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