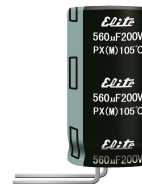




# PX Series

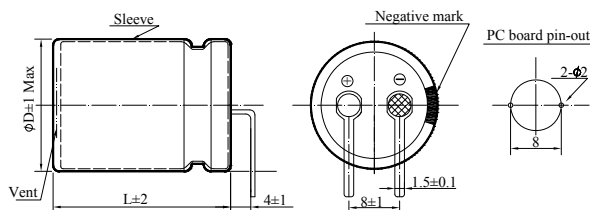
- Load life: 105°C 2,000 hours horizontal mounting
- Suitable for flat equipment design



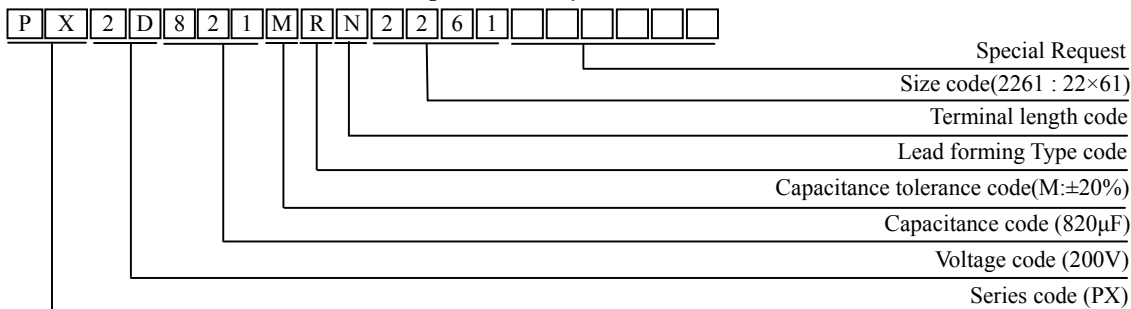
◆ SPECIFICATIONS

Item	Performance Characteristics					
Category Temperature Range	-25 ~ +105°C					
Working Voltage Range	160 ~ 450Vdc					
Capacitance Range	68 ~ 1,500 μF					
Capacitance Tolerance	±20% (at 25°C and 120Hz)					
Dissipation Factor (tanδ) (at 25°C, 120Hz)	Rated Voltage (V)	160	200	250	400	450
	tanδ(Max)	0.15	0.15	0.15	0.15	0.15
The above value should be increased by 0.02 for every additional 1000μF						
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					
Low Temperature Characteristics Impedance Ratio(MAX)	Rated voltage (V)	160 ~ 250	400	450		
	Z(-25°C)/Z(+20°C)	4	4	8	(at 120Hz)	
Endurance	The following specifications shall be satisfied when the capacitors are restored to 25°C after subjected to DC voltage with the rated ripple current is applied for 2,000 hours at 105°C.					
	Capacitance change	≒ ±20% of the initial value				
	Dissipation factor(tanδ)	≒ 200% of the specified value				
	Leakage current	≒ Not more than the 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	≒ Not more than the specified value				
Others	Conforms to JIS-C-5101-4 (1998), characteristic W					

◆ DIMENSIONS (mm)



◆ PART NUMBER SYSTEM( Example : 200V 820μF )





**PX Series**

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

Vdc ΦD uF	160						Vdc ΦD uF	200					
	Φ 20		Φ22		Φ 25			Φ 20		Φ22		Φ 25	
	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC		ΦD×L	RC	ΦD×L	RC	ΦD×L	RC
270							270	20×30	970				
330	20×30	1020					330	20×35	1170	22×30	1200		
390	20×35	1150	22×30	1170			390	20×40	1270	22×35	1300		
470	20×40	1250	22×30	1280			470	20×45	1410	22×40	1440		
560	20×45	1420	22×35	1450			560	20×55	1560	22×45	1600	25×35	1600
680	20×50	1600	22×40	1640	25×35	1700	680	20×60	1710	22×50	1750	25×40	1760
820	20×55	1810	22×45	1850	25×40	1920	820			22×60	2100	25×45	2100
1000			22×55	2100	25×45	2170	1000					25×50	2360
1200					25×50	2430	1200						
1500					25×60	2620	1500						

Vdc ΦD uF	250						Vdc ΦD uF	400					
	Φ 20		Φ22		Φ 25			Φ 20		Φ22		Φ 25	
	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC		ΦD×L	RC	ΦD×L	RC	ΦD×L	RC
68							68	20×30	480				
82							82	20×30	540				
100							100	20×35	600	22×30	620		
120							120	20×40	710	22×35	730		
150							150	20×45	830	22×40	850	25×35	850
180	20×30	820					180	20×55	930	22×45	950	25×35	920
220	20×35	950	22×30	970			220			22×50	1080	25×40	1050
270	20×40	1080	22×35	1110			270			22×60	1200	25×50	1290
330	20×45	1230	22×40	1260			330					25×60	1410
390	20×50	1380	22×45	1410	25×35	1420	390						
470	20×60	1540	22×50	1580	25×40	1610	470						
560			22×55	1800	25×45	1800	560						
680					25×50	2030	680						
820					25×60	2260	820						

Vdc ΦD uF	450					
	Φ 20		Φ22		Φ25	
	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC
68	20×25	500	22×25	520		
82	20×30	630	22×30	660		
100	20×35	650	22×30	685		
120	20×40	750	22×35	790	25×30	800
150	20×45	870	22×40	895	25×35	900
180	20×50	1015	22×50	1030	25×40	1050
220	20×60	1150	22×55	1175	25×45	1190
270					25×55	1300

◆ RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Vdc	Frequency (Hz)				
	50	120	1K	10K	≥50K
160 ~ 250	0.81	1.00	1.32	1.45	1.50
400 ~ 450	0.77	1.00	1.30	1.41	1.43