

**PX SERIES**
**105°C Standard**

\*Load Life : 105°C 1000~2000 hours.


**◆ SPECIFICATIONS**

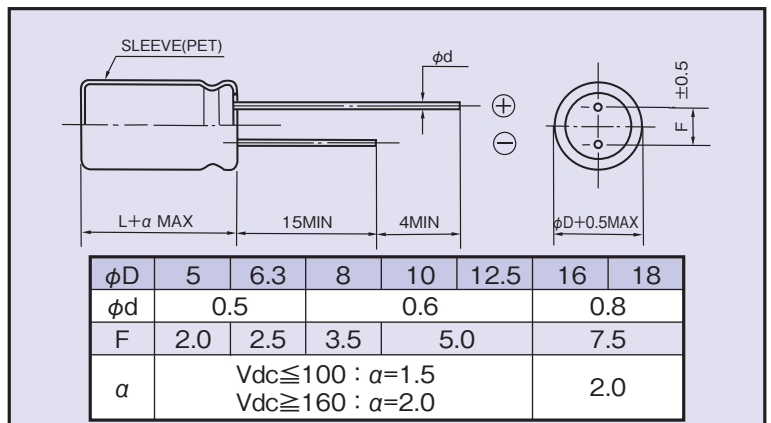
Items	Characteristics																										
	-55~+105°C	-40~+105°C	-25~+105°C																								
Category Temperature Range	-55~+105°C	-40~+105°C	-25~+105°C																								
Rated Voltage Range	6.3~100Vdc	160~400Vdc	450Vdc																								
Capacitance Tolerance	±20%(20°C, 120Hz)																										
Leakage Current(MAX)	6.3~100Vdc		160~450Vdc																								
	I=0.01CV or 3µA whichever is greater. (After 2 minutes application of rated voltage)		CV≤1000																								
			CV>1000																								
I=Leakage Current(µA)		C=Capacitance(µF)	V=Rated Voltage(Vdc)																								
Dissipation Factor(MAX) (tanδ)	Rated Voltage (Vdc)												(20°C, 120Hz)														
	6.3	10	16	25	35	50	63	100	160	200	250	350		400	450												
When capacitance is over 1000µF, tanδ shall be added 0.02 to the listed value with increase of every 1000µF.																											
Endurance	After applying rated voltage with rated ripple current for specified time at 105°C, the capacitors shall meet the following requirements.																										
	Capacitance Change						Within ±25% of the initial value.						Case Size		Life Time (hrs)												
	Dissipation Factor						Not more than 200% of the specified value.						φD≤8		1000												
Leakage Current						Not more than the specified value.						φD≥10		2000													
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage (Vdc)												(120Hz)														
	6.3	10	16	25	35	50	63	100	160	200	250	350		400	450												
	Z(-25°C)/Z(20°C)	5	4	3	2	2	2	2	3	3	4	6		6	7												
Z(-40°C)/Z(20°C)														10	8	6	4	3	3	3	3	4	4	8	8	10	-

**◆ MULTIPLIER FOR RIPPLE CURRENT**

Frequency (Hz)	60(50)	120	500	1k	10k≤
0.47~1µF	0.50	1.00	1.20	1.30	1.50
2.2~4.7µF	0.65	1.00	1.20	1.30	1.50
10~47µF	0.80	1.00	1.20	1.30	1.50
100~1000µF	0.80	1.00	1.10	1.15	1.20
2200~33000µF	0.80	1.00	1.05	1.10	1.15

**◆ DIMENSIONS**

(mm)


**◆ OPTION**

	Code
PET Sleeve	EFC

**◆ PART NUMBER**

□□□	PX	□□□□□	M	□□□	□□	D×L
Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

**◆STANDARD SIZE**

 Size  $\phi D \times L$ (mm), Rated Ripple Current (mA r.m.s./105°C, 120Hz)

Cap( $\mu$ F)	6.3		10		16		25		35		50		63		
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	
1											5×11	10			
2.2											5×11	20			
3.3											5×11	25			
4.7											5×11	32			
10											5×11	47	5×11	48	
22										5×11	64	5×11	70	5×11	80
33							5×11	69	5×11	77	5×11	94	6.3×11	100	
47					5×11	80	5×11	84	5×11	100	6.3×11	115	6.3×11	140	
100	5×11	96	5×11	105	5×11	130	5×11	135	6.3×11	170	8×11.5	200	8×11.5	230	
220	5×11	160	5×11	165	6.3×11	220	6.3×11	240	8×11.5	300	10×12.5	360	10×16	390	
330	6.3×11	210	6.3×11	235	6.3×11	270	8×11.5	335	10×12.5	400	10×16	470	10×20	540	
470	6.3×11	275	6.3×11	295	8×11.5	375	8×11.5	440	10×12.5	525	10×20	600	12.5×20	700	
680	6.3×11	285	8×11.5	430	8×11.5	480	10×12.5	630	10×16	760	12.5×20	980	12.5×25	800	
1000	8×11.5	460	8×11.5	500	10×12.5	640	10×16	740	10×20	865	12.5×25	1060	16×25	1200	
2200	10×16	775	10×16	860	10×20	1050	12.5×20	1090	16×25	1370	16×31.5	1600	18×31.5	1400	
3300	10×20	985	10×20	1100	12.5×20	1300	16×25	1500	16×25	1680	18×35.5	1780			
4700	12.5×20	1150	12.5×20	1350	12.5×25	1650	16×25	1800	16×35.5	1870					
6800	12.5×25	1480	16×25	1700	16×25	1900	16×35.5	1910	18×35.5	1920					
10000	16×25	1700	16×25	1950	16×31.5	1950	18×35.5	2050							
15000	16×31.5	2090	16×35.5	2090	18×35.5	2070									
22000	18×31.5	2280	18×35.5	2180											
33000	18×40	2350													

Cap( $\mu$ F)	100		160		200		250		350		400		450	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.47							6.3×11	8	6.3×11	8				
1	5×11	15					6.3×11	16	6.3×11	16	6.3×11	16	6.3×11	15
2.2	5×11	21					6.3×11	30	6.3×11	25	8×11.5	31	8×11.5	20
3.3	5×11	30			6.3×11	36	6.3×11	30	8×11.5	30	8×11.5	34	10×12.5	33
4.7	5×11	35	6.3×11	43	6.3×11	40	8×11.5	45	8×11.5	45	10×12.5	42	10×12.5	35
10	5×11	60	8×11.5	77	8×11.5	57	10×12.5	90	10×16	95	10×16	64	10×20	37
22	6.3×11	98	10×12.5	92	10×16	105	10×16	105	12.5×20	175	12.5×20	140	12.5×25	100
33	8×11.5	140	10×16	125	10×20	140	10×20	140	12.5×25	220	16×25	170	16×25	125
47	8×11.5	185	10×20	150	10×20	195	12.5×20	190	16×25	260	16×25	200	16×31.5	155
100	10×16	290	12.5×25	320	16×25	340	16×25	310	18×31.5	370	18×35.5	310	18×40	200
220	12.5×20	560	16×31.5	410	16×35.5	580	18×35.5	485						
330	12.5×25	690	18×31.5	570	18×40	675								
470	16×25	880	18×40	855										
680	16×31.5	900												
1000	18×35.5	985												