

**PX SERIES**

105°C Standard

•Load Life : 105°C 1000~2000 hours.


**◆SPECIFICATIONS**

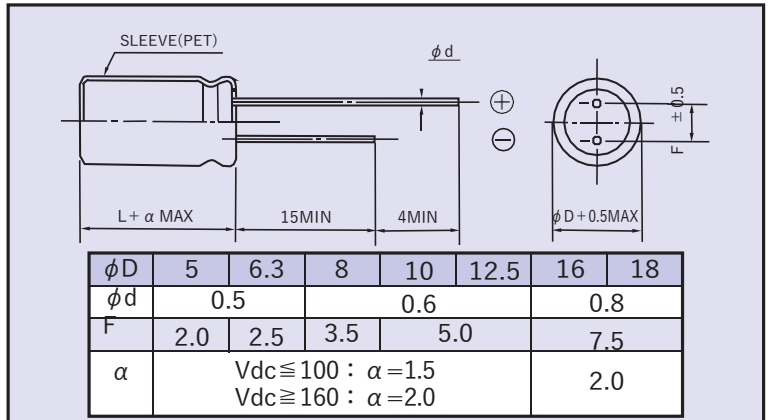
Items	Characteristics													
Category Temperature Range	- 55~ + 105°C	- 40~ + 105°C	- 25~ + 105°C											
Rated Voltage Range	6.3~100Vdc	160~400Vdc	450Vdc											
Capacitance Tolerance	± 20%(20°C, 120Hz)													
Leakage Current(MAX)	6.3~100Vdc	160~450Vdc												
	I = 0.01CV or 3µA whichever is greater. (After 2 minutes application of rated voltage)	CV ≤ 1000	CV > 1000											
		I = 0.1CV + 40µA (1minute) I = 0.03CV + 15µA (5minutes)	I = 0.04CV + 100µA (1minute) I = 0.02CV + 25µA (5minutes)											
I = Leakage Current(µA)      C = Capacitance(µF)      V = Rated Voltage(Vdc)														
Dissipation Factor(MAX) (tan δ)	Rated Voltage (Vdc) 6.3 10 16 25 35 50 63 100 160 200 250 350 400 450 (20°C, 120Hz)													
	tan δ 0.28 0.24 0.20 0.16 0.14 0.12 0.10 0.08 0.20 0.20 0.20 0.25 0.25 0.25													
When capacitance is over 1000µF, tan δ 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) 6.3 10 16 25 35 50 63 100 160 200 250 350 400 450 (120Hz)													
	Z(-25°C)/Z(20°C) 5 4 3 2 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	E F C

**◆PART NUMBER**

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

