



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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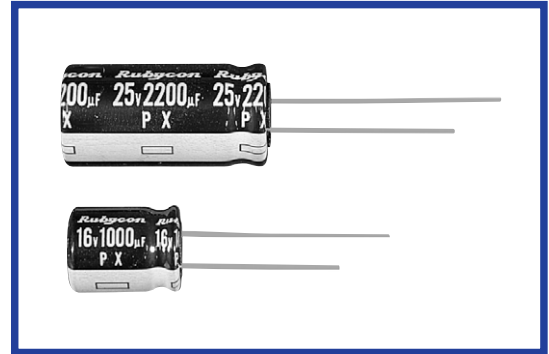


PX SERIES

105°C Standard

◆FEATURES

•RoHS compliance.



◆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	6.3~100V.DC	160~400V.DC	450V.DC													
Capacitance Tolerance	±20%(20°C, 120Hz)															
Leakage Current(MAX)	6.3~100V.DC		160~450V.DC													
	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(V)													
(tanδ) Dissipation Factor(MAX)	Rated Voltage (V) 6.3 10 16 25 35 50 63 100 160 200 250 350 400 450 (20°C, 120Hz)															
	tanδ 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, tanδ shall be added 0.02 to the listed value with increase of every 1000µF.																
Endurance	After life test with rated ripple current at conditions stated in the table below 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 (V) 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 Coefficient

Frequency (Hz)	Coefficient					
	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	

◆OPTION

	Code
PET Sleeve	EFC

◆DIMENSIONS

(mm)

φD	5	6.3	8	10	12.5	16	18
φd	0.5		0.6		0.8		
F	2.0	2.5	3.5	5.0	7.5		
α	WV≤100:1.5 WV≥160:2.0					2.0	

◆PART NUMBER

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

