

RX series 150 °C High Temperature



- High reliability, High temperature
 - Load life of 2500 hours at 150°C
 - Compliant to the RoHS2.0 directive
 - Suitable for High reliability requirement of Electronic Equipment.
- 具有优异的热稳定性，工作温度可达 150°C，产品满足 RoHS2.0 指令，适合用于提高电子设备的可靠度。

◇ **Specifications**

Items	Characteristics	
Operating Temp. Range	-55°C ~ +150°C	
Capacitance Range	100 ~ 1000µF	
Capacitance Tolerance	M : ±20%	
Rated Voltage Range	6.3V ~ 16V DC	
Dissipation Factor	Not to exceed the value specified	
Leakage Current	Not to exceed the value specified (after 2 minutes)	
ESR (100K~300KHz)	Not to exceed the value specified	
Endurance 150°C · 2500h · at rated voltage	Capacitance Change	Within ±20% of the value before test
	Dissipation Factor	Not to exceed 150% of the value specified
	ESR	Not to exceed 150% of the value specified
	Leakage current	Not to exceed the value specified
Moisture Resistance Stored at 85°C · RH 85% · 1000h	Capacitance Change	Within ±20% of the value before test
	Dissipation Factor	Not to exceed 150% of the value specified
	ESR	Not to exceed 150% of the value specified
	Leakage Current	Not to exceed the value specified

◇ **Dimensions (Unit:mm)**

	Φ5mm~Φ6.3mm Plastic coating Aluminum. Case			Φ8mm~Φ10mm Plastic coating Aluminum. Case		
ΦD+0.5max.	5	6.3		8	10	
L	8	5	8	8	11.5	12.5
α	1.0	1.0		1.0	1.0	
F±0.5	2.0	2.5		3.5	5.0	
Φd±0.05	0.5	0.5		0.6	0.6	



✧ Capacitance List

W.V.(S.V.) SIZE	6.3 (7.2)	16 (18)				
5×8	220 ~ 330μF					
6.3×5	220 ~ 330μF	100 ~ 150μF				
6.3×8	470 ~ 680μF	150 ~ 270μF				
8×8		220 ~ 390μF				
8×11.5		330 ~ 560μF				
10×12.5		560 ~ 1000μF				

✧ Characteristics List

W.V. (V)	Capacitance (μF)	L.C. (μA,2min)	tgδ (120Hz,20℃)	ESR (mΩ,100kHz)	Rated Ripple Current(mA,r.m.s)	Size ΦD×L(mm)	Part Number
6.3	220	138.6	0.08	9	1700	5×8	PRX221M6R3C08□□□□□□
	330	207.9	0.08	15	1600	6.3×5	PRX331M6R3E05□□□□□□
	560	352.8	0.08	8	2600	6.3×8	PRX561M6R3E08□□□□□□
16	100	704	0.10	25	1000	6.3×5	PRX221M016E05□□□□□□
	270	864	0.10	15	1800	6.3×8	PRX271M016E08□□□□□□
	330	1056	0.10	12	2000	8×8	PRX331M016F08□□□□□□
	470	1054	0.10	12	2400	8×11.5	PRX471M016F1A□□□□□□
	680	2176	0.10	10	3400	10×12.5	PRX681M016G1B□□□□□□

* For the last 6 digits of the part number, please refer to the part number system on page 125.

✧ Frequency Coefficient for Ripple Current

Frequency	120Hz≤freq.<1KHz	1KHz≤freq.<10KHz	10KHz≤freq.<50KHz	50KHz≤freq.<100KHz	100KHz≤freq.<300KHz
Coefficient	0.05	0.3	0.7	0.85	1