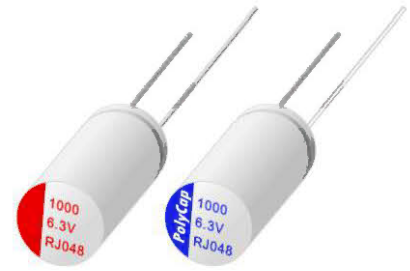


RJ series Ultra-Low ESR & High Ripple Current

- Ultra-Low ESR, High ripple current
 - Load life of 2000 hours at 105°C
 - Compliant to the RoHS2.0 directive
- 具有极低 ESR 和超大纹波电流,产品满足 RoHS2.0 指令。



◇ Specifications

Items	Characteristics	
Operating Temp. Range	-55°C ~ +105°C	
Capacitance Range	220 ~ 4700µF	
Capacitance Tolerance	M : ±20%	
Rated Voltage Range	2.5V ~ 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 105°C , 2000h , 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 60°C , RH90~95% , 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)

Φ6.3mm					Φ8mm~Φ10mm				
Plastic coating Aluminum. Case					Plastic coating Aluminum. Case				
ΦD+0.5max.	6.3				8	10			
L	8	10	11	12	8	11.5	12.5	16	20
α	1.0				1.0	1.0		1.5	
F±0.5	2.5				3.5			5.0	
Φd±0.05	0.5				0.6			0.6	

✧ Capacitance List

W.V (S.V) SIZE	2.5 (2.9)	4 (4.6)	6.3 (7.2)	7.5 (8.6)	10 (12)	16 (18)
6.3×8	680 ~ 1200μF	560 ~ 820μF				220 ~ 330μF
6.3×10			680 ~ 1000μF	680 ~ 1000μF		330 ~ 470μF
6.3×11			820 ~ 1200μF	820 ~ 1200μF		390 ~ 560μF
6.3×12			820 ~ 1200μF	820 ~ 1200μF		390 ~ 560μF
8×8	1000 ~ 1800μF	680 ~ 1200μF	680 ~ 1200μF		470 ~ 820μF	270 ~ 560μF
8×11.5	1200 ~ 2700μF	1000 ~ 1800μF	820 ~ 1500μF		680 ~ 1200μF	390 ~ 820μF
10×12.5	1800 ~ 4700μF	1500 ~ 2700μF	1200 ~ 2200μF		1000 ~ 1800μF	680 ~ 1200μF
10×16			1800 ~ 3300μF			820 ~ 1800μF
10×20						1200 ~ 2700μF

✧ 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
2.5	820	205	0.08	6	5800	6.3×8	PRJ821M2R5E08□□□□□□
	1200	300	0.08	5	6000	8×8	PRJ122M2R5F08□□□□□□
	2200	550	0.08	5	6400	8×11.5	PRJ222M2R5F1A□□□□□□
	3300	825	0.08	5	6700	10×12.5	PRJ332M2R5G1B□□□□□□
4	560	224	0.08	6	5800	6.3×8	PRJ561M004E08□□□□□□
	1200	480	0.08	5	5900	8×8	PRJ122M004F08□□□□□□
	1500	600	0.08	5	6200	8×11.5	PRJ152M004F1A□□□□□□
	2200	880	0.08	5	6500	10×12.5	PRJ222M004G1B□□□□□□
6.3	820	516.6	0.08	6	5500	6.3×10	PRJ821M6R3E10□□□□□□
	1000	630	0.08	6	5600	6.3×11	PRJ102M6R3E11□□□□□□
	1200	756	0.08	6	5700	6.3×12	PRJ122M6R3E12□□□□□□
	1000	630	0.08	6	5700	8×8	PRJ102M6R3F08□□□□□□
	1200	756	0.08	6	6100	8×11.5	PRJ122M6R3F1A□□□□□□
	2200	1000	0.08	5.5	6400	10×12.5	PRJ222M6R3G1B□□□□□□
	3300	1000	0.08	5.5	6700	10×16	PRJ332M6R3G16□□□□□□
7.5	680	510	0.08	6	5500	6.3×10	PRJ681M7R5E10□□□□□□
	820	615	0.08	6	5600	6.3×11	PRJ821M7R5E11□□□□□□
	1200	900	0.08	6	5700	6.3×12	PRJ122M7R5E12□□□□□□
10	820	820	0.08	6	5600	8×8	PRJ821M010F08□□□□□□
	1000	1000	0.08	6	6000	8×11.5	PRJ102M010F1A□□□□□□
	1500	1000	0.08	6	6300	10×12.5	PRJ152M010G1B□□□□□□
16	270	432	0.10	12	3400	6.3×8	PRJ271M016E08□□□□□□
	470	752	0.10	10	3800	6.3×10	PRJ471M016E10□□□□□□
	560	896	0.10	10	4000	6.3×11	PRJ561M016E11□□□□□□
	560	896	0.10	10	4200	6.3×12	PRJ561M016E12□□□□□□
	330	528	0.10	10	4100	8×8	PRJ331M016F08□□□□□□
	470	752	0.10	8	4800	8×11.5	PRJ471M016F1A□□□□□□
	1000	1000	0.10	6	5400	10×12.5	PRJ102M016G1B□□□□□□
	1500	1000	0.10	6	7600	10×16	PRJ152M016G16□□□□□□
	2700	300	0.10	6	8000	10×20	PRJ272M016G20□□□□□□

* 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 (C≤1000μF)	0.05	0.3	0.7	0.85	1
Coefficient (3000μF≥C>1000μF)	0.1	0.33	0.85	1	1
Coefficient (C>3000μF)	0.12	0.35	1	1	1