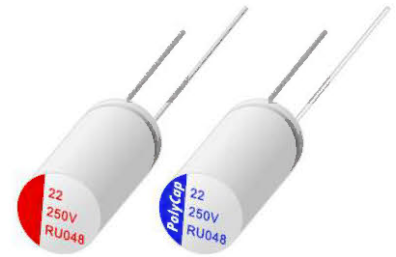


RU series Ultra High Voltage(160V~250V)

- Hybrid
 - Ultra High Voltage
 - Load life of 2000 hours at 105°C
 - Compliant to the RoHS2.0 directive
- 超高压产品, 产品满足 RoHS2.0 指令。



◇ Specifications

Items	Characteristics	
Operating Temp. Range	-55°C ~ +105°C	
Capacitance Range	4.7 ~ 82μF	
Capacitance Tolerance	M : ±20%	
Rated Voltage Range	160V ~ 250V 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
	Leakage current	Not to exceed the value specified
Moisture Resistance Stored at 85°C · RH85% · 1000h	Capacitance Change	Within ±20% of the value before test
	Dissipation Factor	Not to exceed 150% of the value specified
	Leakage Current	Not to exceed the value specified

◇ Dimensions (Unit:mm)

	Φ6.3mm Plastic coating Aluminum. Case				Φ8mm~Φ12.5mm Plastic coating Aluminum. Case					
ΦD+0.5max.	6.3.	8			10			12.5		
L	14	11.5	16	20	12.5	16	20	17	21	26
α	1.0	1.5			1.0	1.5		1.5		
F±0.5	2.5	3.5			5.0			5.0		
Φd±0.05	0.5	0.6			0.6			0.6		



✧ Capacitance List

SIZE \ W.V (S.V)	160 (184)	200 (230)	250 (287)		
6.3×14	6.8 ~ 10μF	5.6 ~ 8.2μF	4.7 ~ 5.6μF		
8×11.5	6.8 ~ 10μF	4.7 ~ 8.2μF	3.9 ~ 5.6μF		
8×16	10 ~ 18μF	8.2 ~ 12μF	5.6 ~ 10μF		
8×20	15 ~ 22μF	10 ~ 18μF	8.2 ~ 12μF		
10×12.5	10 ~ 18μF	8.2 ~ 15μF	5.6 ~ 10μF		
10×16	15 ~ 27μF	12 ~ 22μF	8.2 ~ 15μF		
10×20	18 ~ 39μF	15 ~ 27μF	10 ~ 22μF		
12.5×17	27 ~ 47μF	18 ~ 33μF			
12.5×21	33 ~ 56μF	27 ~ 47μF			
12.5×26	47 ~ 82μF	33 ~ 56μF			

✧ Characteristics List

W.V (V)	Capacitance (μF)	L.C. (μA,2min)	tgδ (120Hz,20℃)	ESR (mΩ,100kHz)	Rated Ripple Current (mA,r.m.s,105℃,100kHz)	Size ΦD×L(mm)	PaPRU Number
160	8.2	100	0.05	250	407	6.3×14	PRU8R2M160E14□□□□
	10	100	0.05	250	457	8×11.5	PRU100M160F1A□□□□
	15	100	0.05	230	637	8×16	PRU150M160F16□□□□
	22	100	0.05	200	865	8×20	PRU220M160F20□□□□
	15	100	0.05	200	797	10×12.5	PRU150M160G1B□□□□
	22	100	0.05	200	980	10×16	PRU220M160G16□□□□
	33	100	0.05	200	1350	10×20	PRU330M160G20□□□□
	39	100	0.06	180	1550	12.5×17	PRU390M160H17□□□□
	47	100	0.06	180	1850	12.5×21	PRU470M160H21□□□□
200	82	100	0.06	180	2650	12.5×26	PRU820M160H26□□□□
	6.8	100	0.05	250	340	6.3×14	PRU6R8M200E14□□□□
	8.2	100	0.05	250	345	8×11.5	PRU8R2M200F1A□□□□
	10	100	0.05	230	483	8×16	PRU100M200F16□□□□
	18	100	0.05	200	645	8×20	PRU180M200F20□□□□
	12	100	0.05	200	665	10×12.5	PRU120M200G1B□□□□
	18	100	0.05	200	810	10×16	PRU180M200G16□□□□
	22	100	0.05	200	1080	10×20	PRU220M200G20□□□□
	33	100	0.06	200	1390	12.5×17	PRU330M200H17□□□□
250	47	100	0.06	200	1790	12.5×21	PRU470M200H21□□□□
	56	100	0.06	200	2090	12.5×26	PRU560M200H26□□□□
	4.7	100	0.05	300	260	6.3×14	PRU4R7M250E14□□□□
	5.6	100	0.05	300	265	8×11.5	PRU5R6M250F1A□□□□
	10	100	0.05	300	365	8×16	PRU100M250F16□□□□
	12	100	0.05	300	487	8×20	PRU120M250F20□□□□
	10	100	0.05	300	425	10×12.5	PRU100M250G1B□□□□
	15	100	0.05	300	560	10×16	PRU150M250G16□□□□
	22	100	0.05	300	750	10×20	PRU220M250G20□□□□

* 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	1kHz	10kHz	50kHz	100kHz
Coefficient	0.4	0.7	0.8	0.9	1