

RU series

Ultra High Voltage(160V~250V)

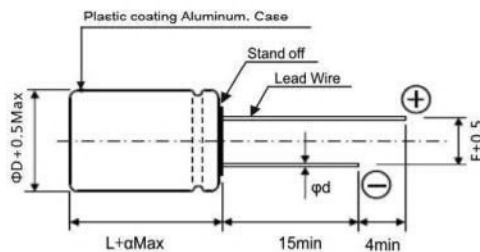
- Ultra High Voltage
- Load life of 2000 hours at 105°C
- Compliant to the RoHS directive (2011/65/EU)

超高压产品，产品满足RoHS指令(2011/65/EU)。

➤ Specifications

Items	Characteristics	
Operating Temp. Range	-55°C ~ +105°C	
Capacitance Range	3.9 ~ 39 uF	
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
	Leakage current	Not to exceed the value specified
	Dissipation Factor	Not to exceed 150% of the value specified
Moisture Resistance Stored at 60°C, Rh90 ~ 95%, 1000h	Capacitance Change	Within ± 20% of the value before test
	Leakage Current	Not to exceed the value specified
	Dissipation Factor	Not to exceed 150% of the value specified

➤ Dimensions



Unit: mm

φ D × L	ΦD +0.5max.	α	F ± 0.5	Φ d ± 0.05
6.3 × 15	6.3	1.5	2.5	0.5
8 × 11.5	8.0	1.0	3.5	0.6
8 × 16	8.0	1.5	3.5	0.6
8 × 20	8.0	1.5	3.5	0.6
10 × 12.5	10.0	1.0	5.0	0.6
10 × 16	10.0	1.5	5.0	0.6
10 × 20	10.0	1.5	5.0	0.6

➤ Capacitance List

SIZE	W.V (S.V)	160 (184)	200 (230)	250 (287)
6.3 × 15		6.8 ~ 10 uF	5.6 ~ 8.2 uF	3.9 ~ 6.8 uF
8 × 11.5		6.8 ~ 10 uF	4.7 ~ 8.2 uF	3.9 ~ 6.8 uF
8 × 16		10 ~ 18 uF	6.8 ~ 12 uF	6.8 ~ 10 uF
8 × 20		12 ~ 22 uF	10 ~ 18 uF	8.2 ~ 12 uF
10 × 12.5		10 ~ 18 uF	6.8 ~ 15 uF	6.8 ~ 10 uF
10 × 16		12 ~ 27 uF	10 ~ 22 uF	8.2 ~ 15 uF
10 × 20		18 ~ 39 uF	15 ~ 27 uF	10 ~ 22 uF

» Characteristics List

W.V. (V)	Capacitance (μ F)	L.C. (μ A, 2min)	tg δ (120Hz, 20°C)	ESR (m Ω , 100kHz)	Rated Ripple Current (mA, r. m. s)	Size Φ D x L (mm)	Part Number
160	6.8	100	0.05	250	407	6.3 x 15	RU6R8M160E150□□
	8.2	100	0.05	250	457	8 x 11.5	RU8R2M160F115□□
	12	100	0.05	230	637	8 x 16	RU120M160F160□□
	18	100	0.05	200	865	8 x 20	RU180M160F200□□
	18	100	0.05	200	797	10 x 12.5	RU180M160G125□□
	22	100	0.05	200	980	10 x 16	RU220M160G160□□
	33	100	0.05	200	1350	10 x 20	RU330M160G200□□
200	5.6	100	0.05	250	340	6.3 x 15	RU5R6M200E150□□
	5.6	100	0.05	250	345	8 x 11.5	RU5R6M200F115□□
	8.2	100	0.05	250	483	8 x 16	RU8R2M200F160□□
	12	100	0.05	300	645	8 x 20	RU120M200F200□□
	15	100	0.05	250	665	10 x 12.5	RU150M200G125□□
	18	100	0.05	300	810	10 x 16	RU180M200G160□□
	22	100	0.05	300	1007	10 x 20	RU220M200G200□□
250	3.3	100	0.05	300	260	6.3 x 15	RU3R3M250E150□□
	3.3	100	0.05	300	265	8 x 11.5	RU3R3M250F115□□
	4.7	100	0.05	300	365	8 x 16	RU4R7M250F160□□
	6.8	100	0.05	350	487	8 x 20	RU6R8M250F200□□
	5.6	100	0.05	300	425	10 x 12.5	RU5R6M250G125□□
	8.2	100	0.05	350	560	10 x 16	RU8R2M250G160□□
	12	100	0.05	350	750	10 x 20	RU120M250G200□□

» Frequency Coefficient for Ripple Current

Frequency	120Hz	1KHz	10KHz	100KHz
Coefficient	0.4	0.7	0.8	1