RU series

NEW

+130℃,High Temperature(高温度),High Ripple Current(高纹波)

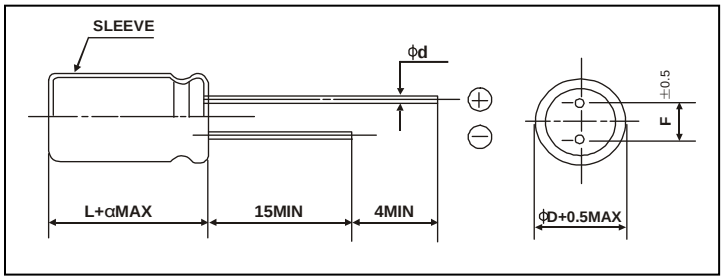
◆ FEATURES

- Load life:130℃ 2000~3000 hours
- For Electronic Ballast,Power supply input circuit
- High Ripple Current

◆ SPECIFICATIONS

Items	Characteristics
Category Temperature Rance	-40℃~+130℃
Rated Voltage Range	160~450V.DC
Nominal Capacitance Rance	1~220μ F
Capacitance Tolerance	±20%(120Hz,+20℃)
Leakage Current(MAX)	I=0.02CV+10(uA) after 2 minutes with rated working voltage at 20℃
Dissipation Factor(MAX) Tanδ (20℃,120Hz)	Rated Voltage(V) 160 200 250 350 400 450 Tanδ 0.15 0.15 0.15 0.20 0.20 0.20
Load Life	After applying rated voltage with max ripple current for 2000~3000hrs at 130℃,the capacitors shall meet the following requirements Capacitance Change: Within ±20% of the initial value Dissipation Factor: Not more than 200% of the specified value Leakage Current: Not more than the specified value ΦD / Load life: ~Φ12.5 — 2000; Φ16~ — 3000
Shelf Life	After Leaving capacitors under no load at 105℃ for 1000hrs,they meet the characteristic requirements listed at right Capacitance change: Within ±20% of the initial value Tanδ: ≤200% of initial specified value Leakage current: ≤200% of initial specified value
Low Temperature Stability Impedance Rate(MAX)	Rated Voltage(V) 160 200 250 350 400 450 Z-25℃/Z+20℃ 3 3 3 5 5 5 Z-40℃/Z+20℃ 6 6 6 6 6 6
Other	JIS-5141 EIAJ RC-2372

◆ CASE SIZE TABLE



ΦD	8	10	13	16	18
F	3.5	5.0	5.0	7.5	7.5
Φd	0.5	0.6	0.6	0.8	0.8
α	L≤16:α =1.5		L≥20:α =2.0		

◆ RIPPLE CURRENT MULTIPLIER

- Frequency coefficient

Frequency(Hz)	120	1k	10k	100k~
~180	0.40	0.75	0.90	1.00
220~	0.50	0.85	0.94	1.00

◆ STANDARD RATINGS

NEW

size:ΦD×L(mm)

Cap(μF) \ Voltage / Code	Code	160V(2C)		200V(2D)		250V(2E)	
		Size	Ripple	Size	Ripple	Size	Ripple
1	105						
2.2	225					8×12	64
3.3	335	8×12	70	8×12	73	10×13	80
4.7	475	10×13	76	10×13	80	10×16	88
5.6	565	8×16	81	8×16	86	10×16	88
6.8	685	8×16	88	8×16	94	10×16	96
8.2	825	10×16	96	10×16	100	10×16	104
10	106	10×16	200	10×16	200	10×16	224
15	156	10×16	336	10×20	336	13×21	360
22	226	10×20	400	13×21	400	13×21	480
33	336	13×21	400	13×21	480	13×25	480
47	476	13×21	528	13×25	528	16×25	510
68	686	16×25	547	16×25	547	16×30	662
100	107	16×25	806	16×35	806	18×30	864
150	157	18×30	979	18×35	979		
220	227	18×35	1008				

Cap(μF) \ Voltage / Code	Code	350V(2V)		400V(2G)		450V(2W)	
		Size	Ripple	Size	Ripple	Size	Ripple
1	105	8×12	51	10×13	58	8×16	64
2.2	225	10×16	70	10×16	74	10×16	77
3.3	335	10×16	84	10×16	88	10×16	88
4.7	475	10×20	105	10×16	104	10×20	104
5.6	565	13×21	121	13×21	112	13×21	112
6.8	685	13×21	176	13×21	176	13×21	120
8.2	825	13×21	192	13×21	208	13×21	224
10	106	13×21	224	13×21	224	13×21	256
15	156	13×25	240	13×25	256	13×25	336
22	226	16×25	252	16×25	309		
33	336	16×30	360	16×30	460		
47	476	16×35	475	18×35	604		
68	686	18×35	612	18×40	720		

Maximum Allowable Ripple Current(mA rms) at 130˚C 100KHz