RT series

+105℃,High Ripple Current(高纹波), Long Life(长寿命),10000Hours.

◆ FEATURES

- Load life:105℃ 10000 hours
- Suited For Electronic Ballast And LED Driver Application
- High Ripple Current

◆ SPECIFICATIONS

Items	Characteristics
Category Temperature Rance	-40℃~+105℃
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	500
Tanδ	0.15	0.15	0.15	0.15	0.24	0.24	0.24

Load Life

After applying rated voltage with max ripple current for 10000hrs at 105℃,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
~Φ10	10000
Φ12.5~	12000

Shelf Life

After Leaving capacitors under no load at 105℃ for 1000hrs,they meet the characteristic requirements listed at right

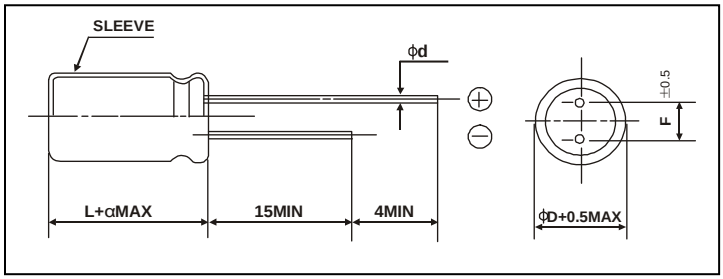
Capacitance change	Within ±20% of the initial value
Tanδ	≤200% of initial specified value
Leakage current	≤200% of initial specified value

Low Temperature Stability Impedance Rate(MAX)

Roted Voltage(V)	160	200	250	350	400	450
Z-25℃/Z+20℃	3	3	3	4	6	6
Z-40℃/Z+20℃	4	4	4	5	10	10

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)	60	120	1k	10k	50k	100k~
~4.7	0.25	0.30	0.60	0.80	0.90	1.00
6.8~15	0.30	0.40	0.70	0.90	0.95	1.00
22~	0.40	0.50	0.80	0.90	0.95	1.00

◆ STANDARD RATINGS

size:ΦD×L(mm)

Cap(μF) \ Voltage / Code	Code	160V(2C)		200V(2D)		250V(2E)	
		Size	Ripple	Size	Ripple	Size	Ripple
2.2						6.3×12	110
4.7	475			6.3×12	140	8×12	160
6.8	685			---	----	8×12	250
10	106	8×12	320	8×12	320	10×12.5	320
22	226	10×16	500	10×16	500	10×16	500
33	336	10×20	650	10×20	650	13×20	800
47	476	10×20	750	13×20	980	13×20	980
68	686	13×20	1180	13×20	1300	13×25	1300
100	107	13×20	1420	13×25	1530	16×25	1680
220	227	18×25	2370	18×30	2500	18×35	2620

Cap(μF) \ Voltage / Code	Code	350V(2V)		400V(2G)		450V(2W)	
		Size	Ripple	Size	Ripple	Size	Ripple
1	105	6.3×12 8×12	55 60	6.3×12 8×12	55 60		
2.2	225	6.3×12 8×12	85 95	6.3×12 8×12	85 95		
3.3	335	8×12	150	8×12	150	8×12	170
4.7	475	8×12	220	8×12	220	8×14	250
6.8	685	8×12 8×14	220 280	8×12 8×14	220 280	10×12.5	300
8.2		8×16	300	8×16 10×12.5	300 300	10×12.5	320
10	106	10×16	320	10×16	320	10×20	450
15	156	10×16	380	10×16 10×20	380 400	13×20	600
22	226	13×17 13×20	730 760	13×17 13×20	730 760	13×20	780
33	336	13×25 16×20	900	13×25 16×20	900	13×25	930
47	476	16×20 16×25	1100 1180	16×20 16×25	1100 1180	16×25 18×25	1100 1200
68	686	18×20	1470	18×20	1470	18×25	1500
82	826	18×25	1520	18×25	1520	18×30	1550
100	107	18×30	1680	18×30	1680	18×35	1700
120	127	18×32	1800	18×32	1800	18×35	1850
150	157	18×35	1920	18×35	1920		

Maximum Allowable Ripple Current(mA rms) at 105˚C 100KHz