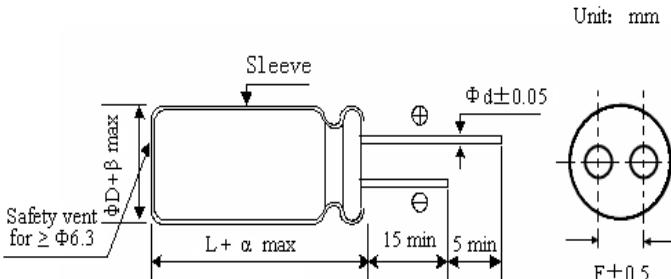


RD series**Features**

- ◆ High ripple current, Super long life 10000 hours at 105°C, 2000 hours at 130°C.
- ◆ Especially designed for LED driver, LED lighting .
- ◆ RoHS Compliant .

**Specifications**

Item	Performance Characteristics							
Temperature Range	-40~+105°C (160~400Vdc) -25~+105°C (450~500Vdc)							
Rated Voltage Range	160~500Vdc							
Capacitance Range	1.0~220μF							
Capacitance Tolerance	±20% (120Hz, +20°C)							
Leakage Current (+20°C,max.)	I≤0.02CV+30 (μA) After 2 minutes, whichever is greater measured with rated working voltage applied							
Dissipation Factor(tgδ) 120Hz, +20°C	Working Voltage(Vdc)	160	200	250	350	400	450	500
	D.F(%)max.	15	15	15	20	20	20	24
	For capacitance>1000μF , Add 2% per another 1000μF (120Hz, +20°C)							
Low Temperature Characteristics(120Hz)	Impedance ratio max. Working Voltage(Vdc)	160	200	250	350	400	450	500
	Z-25°C / Z+20°C	3	3	3	5	5	6	6
	Z-40°C / Z+20°C	6	6	6	6	6	—	—
Endurance	After application of the rated DC voltage at 130°C 2000hours or application of DC voltage with the rated Ripple Current at 105°C 10,000hours, the capacitor shall meet the requirement below							
	Capacitance Change	≤±20% of the initial value						
	D.F. (tgδ)	≤200% of the initial specified value						
	Leakage Current	≤The initial specified value						
Shelf Life	After storing the capacitors under no load at 105°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C.							
	Capacitance Change	≤±20% of the initial value						
	D.F. (tgδ)	≤200% of the initial specified value						
	Leakage Current	≤200% The initial specified value						
Others	JISC-5101(IEC 60384)							

Diagram of Dimensions**Frequency Multipliers**

WV	Hz	120	1K	10K	100K
160~250	0.55	0.85	0.9	1.00	
350~500	0.50	0.80	0.90	1.00	

ΦD	5	6.3	8	10	13	16	18	22
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5	10.0
Φd	0.5	0.5	0.5	0.6	0.6	0.8	0.8	0.8
α	(L< 20) + 1.5				(L≥20) + 2.0			
β	(D< 20) + 0.5				(D≥20) + 1.0			

RD series**Standard Ratings**

Voltage	160		200		250	
Cap(μF)	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
4.7	8×12	100	8×12	105	8×12	105
5.6	8×12	107	8×12	110	8×12	125
6.8	8×12	115	8×12	120	8×16	140
8.2	8×12	190	8×12	190	8×16	160
10	8×12	210	8×16	235	8×16	235
15	8×12	320	10×17	346	10×17	346
22	10×20	450	10×17	475	10×20	483
33	10×20	590	13×20	650	13×20	650
47	13×20	810	13×20	820	13×25	840
68	13×25	980	13×25	1080	16×25	1100
100	16×25	1320	16×25	1450	16×30	1450
150	16×30	1890	16×30	1990	16×35	1990
220	18×25	2370				

Voltage	350		400		450	
Cap(μF)	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
1.0					8×12	62
1.5			8×12	70	8×12	76
2.2			8×12	85	8×16	90
3.3	8×12	102	8×16	105	8×16	100
4.7	8×16	118	10×17	118	10×17	130
5.6	8×16	135	10×17	150	10×20	170
6.8	10×17	162	10×17	165	10×20	188
8.2	10×17	206	10×20	210	10×20	230
10	10×17	258	10×20	258	13×20	264
15	13×20	380	13×20	380	13×20	380
22	13×20	460	16×20	500	16×20	515
33	16×20	635	16×25	620	16×25	650
47	16×25	830	16×25	701	16×35	780
			16×30	760		
68	18×25	1080	18×30	900	18×30	1050
100	18×30	1400	18×40	1320	18×40	1450

Voltage	500	
Cap(μF)	Case Size	Ripple Current
10	13×20	290
15	13×25	395
22	16×25	505
33	18×25	630
47	18×30	790
68	22×30	1000

Max Allowable Ripple Current (mA,rms) at 105°C 100KHz, Case Size ΦD×L(mm).

Above size is the standard size for our product. If you need special size please contact our sales offices.