

RR series Long Life Assurance, High Ripple Current

■FEATURES

- High Ripple Current
- For electronic ballast power supply.
- ROHS compliant

■SPECIFICATIONS

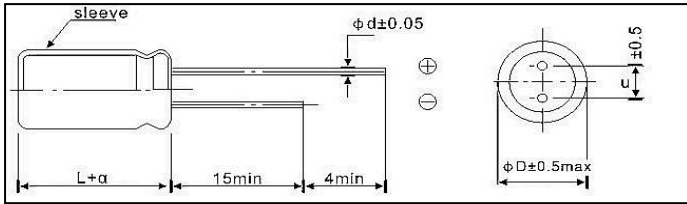
Item	Performance Characteristics							
Operating Temperature Range	-40°C~105°C				-25°C~105°C			
Rated Voltage Range	160~400V.DC				450V.DC			
Capacitance Range	1~220uF							
Capacitance Tolerance	±20%, 120Hz, 20°C							
Leakage Current (MAX)	≤0.02CV+25uA 2minutes application of rated working voltage at 20°C							
Dissipation Factor (tan δ)	Rated voltage(V)	160	200	250	350	400	450	MAX (20°C/120Hz)
	Tan δ	0.15			0.20	0.24		
Low Temperature Stability Impedance Ratio	Rated voltage(V)	160	200	250	350	400	450	(120Hz)
	Z(-25°C) / Z(+20°C)	3	3	3	5	5	6	
High Temperature Loading	In 105°C environment, superimposed ripple current rating range does not exceed the rated voltage, rated voltage of 5000 hours continuous loading, after the temperature to 20°C was measured, shall meet the following item							
	Leakage Current	Not more than the specified value						
	Capacitance Change	Within ±20% of initial value						
Shelf Life	After leaving capacitors under no load at 105°C for 1000hours and applying voltage according to JIS C-5102 4-3, they meet the specified value for load life characteristics listed above.							
	Standard	According to JIS C-5141						

■MULTIPLIER FOR RIPPLE CURRENT

Frequency(Hz)		120	1K	10K	100K≤
Coefficient	1~5.6uF	0.20	0.40	0.80	1.00
	6.8~180uF	0.40	0.75	0.90	1.00
	≥220uF	0.50	0.85	0.94	1.00

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■DIMENSIONS(mm)



ΦD	8	10	13	16	18
Φd	0.5	0.6		0.8	
F	3.5	5.0		7.5	
ΦD	$\Phi D \pm 0.5 \text{max}$				
α	$L \leq 16 : \alpha = 1.5 \quad L \geq 16 : \alpha = 2.0$				

■STANDARD SIZE PERMISSIBLE RIPPLE CURRENT

Size $\Phi D \times L$ (mm) Ripple Current(mA 105°C, 100KHz)r.m.s

W. V	160		200		250		350		400		450	
	SIZE	Ripple	SIZE	Ripple	SIZE	Ripple	SIZE	Ripple	SIZE	Ripple	SIZE	Ripple
1.0									8×12 10×13	58 68		
1.5									8×12 10×13	89 98		
1.8									8×12 10×13	96 115		
2.2									8×12 10×13	98 135		
3.3									10×13	145		
4.7					8×12	158	10×13	145	10×16	215	10×20	215
5.6							10×13	175	10×16	245	10×20	245
6.8					10×13	245	10×16	275	10×16	275	10×20	275
10	10×16	318	10×16	318	10×16	318	10×20	345	10×20	345	13×21	445
15									13×21	545	13×25	605
22	10×20	495	10×20	495	10×20	495	13×21	645	13×21	755	16×21	725
33	10×20	645	10×20	645	13×21	795	16×21	895	16×21	895	16×25	975
47	10×20	745	13×21	975	13×21	975	16×21	1075	16×25 18×21	1175 1180	18×25	1200
68	13×21	1175	13×25 16×21	1295 1300	16×21	1300	18×25	1465	18×25	1465		
82			16×21	1375	16×21	1375	18×5	1525				
100	13×25 16×21	1415 1420	16×21	1415	16×25	1525						
150	16×25	1885	16×25	1885	18×25	1935						
220	18×25	2365	18×30	2645								

※以上最大体积为标准尺寸，其他为体积缩小品，寿命相应缩短