

RS

series

Miniaturization, high ripple, long life, 8000~ 12000 hours

■FEATURES

- Ensure that 105°C ,8000~12000 hours.(ripple superimposed)
- Rated voltage:160~450V,electrostatic capacity range:6.8~330uF
- The most suitable for electronic ballast lighting equipment,long life power input smoothing etc.
- Please note that the substrate cleaning type does not belong to
- 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	6.8~330uF							
Capacitance Tolerance	±20%, 120Hz, 20°C							
Leakage Current (MAX)	CV≤1000		CV > 1000			I=Leakage Current(uA) C=Nominal Capacitance(uF) V=Rated Voltage(V)		
	I=0.1CV+40uA (1minutes) I=0.03CV+15uA (5minutes)		I=0.04CV+100uA (1minutes) I=0.02CV+25uA (5minutes)					
Dissipation Factor (tan δ)	Rated voltage(V)	160	200	250	350	400	450	MAX (20°C120Hz)
	Tan δ	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	
	Z(-40°C) / Z (+20°C)	6	6	6	8	8	8	
Endurance	In 105°C environment,superimposed ripple current rating range does not exceed the rated voltage,rated voltage of 1000 hours continuous loading(Φ10:8000hours),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						
	Dissipation Factor	Not more than200% of the specified 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

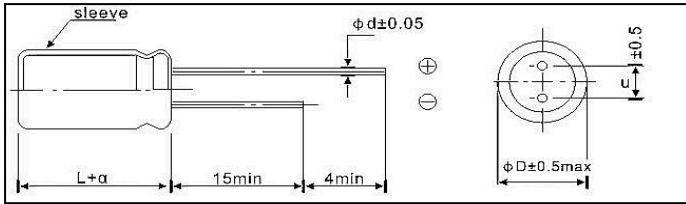
Frequency(Hz)		120	1K	10K	100K≤
Coefficient	6.8~82uF	0.5	0.6	0.8	1.0
	100~330uF	0.5	0.8	0.9	1.0

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■DIMENSIONS(mm)



ΦD	6.3	8	10	13	16	18
Φd	0.5		0.6		0.8	
F	2.5	3.5	5.0		7.5	
α	L \leq 16 : $\alpha=1.5$				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
6.8							10×16	275	10×16	275	10×20	275
10	10×16	315	10×16	315	10×20	350	10×20	350	10×20	350	13×21	450
15									13×21	550	13×21	600
22	10×20	500	10×20	500	10×20	500	13×21	650	13×21	650	16×21	725
33	10×20	625	10×20	650	13×21	800	16×21	900	16×21	900	16×25 18×21	975 950
47	10×20	750	13×21	975	13×21	975	16×21	1075	16×25 18×21	1175 1125	18×25	1200
68	13×21	1175	13×21	1175	16×21	1300	16×25 18×21	1400 1375	18×25	1465	18×32	1575
82	13×21	1275	16×21	1375	16×21	1375	18×25	1525	18×25	1525	18×35	1785
100	13×25 16×21	1395 1420	16×21	1420	16×25	1530	18×25	1575	18×32	1720	18×40	1800
120							18×32	1865	18×35	1945		
150	16×21	1735	16×25	1890	18×25	1935	18×35	2160	18×40	2215		
220	16×25	2295	18×25	2365	18×32	2545						
330	18×32	3130	18×35	3220								

※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