

REF Series 节能灯用引线型铝电解电容器长寿命品

Long Life Aluminum Electrolytic Capacitor of Radial Lead Type For Ballast Application

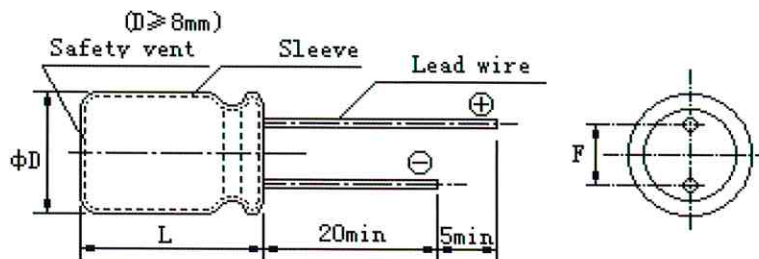
- 105°C 8000 ~ 10000 hours
- High Reliability
- High Ripple Frequency
- For Self Ballasted CFL, Electronic Ballast, Power Source
- RoHS compliance



■ 主要技术性能 Specifications

Operating Temperature Range	-25 ~ +105°C					
Rated Voltage Range	200 ~ 450V.DC					
Capacitance Tolerance	± 20% (120Hz, 20°C)					
Leakage Current	$I \leq 0.02CV + 10 (\mu A)$ Application of rated working voltage at +20°C after 2 minutes					
Dissipation Factor (120Hz 20°C)	W.V.	200	250	350	400	450
	tg δ	0.1	0.1	0.12	0.12	0.16
Load life	After applying rated voltage with specified ripple current for 8000 hours at +105°C and then resumed 16 hours. The capacitor shall meet the following limits.					
	Capacitance Change	≤ ±30% of Initial measured value				
	Leakage	≤ The specified value				
	Dissipation Factor	≤ 300% of the specified value				
Shelf Life	After storage for 1000 hours at +105°C with no voltage applied and then being stabilized at +20°C, capacitor shall meet the limits .					
	Capacitance Change	≤ ± 20% of Initial measured value				
	Leakage	≤ 200% of the specified value				
	Dissipation Factor	≤ 200% of the specified value				

■ 外形图及尺寸 Case size table



	mm							
D ± 1.0	6.3	8	10	13	16	18	22	
L ± 2.0	12	12,16	16,20	21,25	26,31	26,31,36	31,36	
F ± 0.5	2.5	3.5	5.0	5.0	7.5	7.5	10.0	
φd ± 0.05	0.5	0.5	0.6	0.6	0.8	0.8	1.0	

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■ 标称电容量、额定电压、额定纹波电流及外形尺寸对应表

Nominal capacitance, rated voltage, rated ripple current and case size table

μF	WV mA	200V		250V		350V		400V		450V	
		$\Phi D \times L$	I~mA	$\Phi D \times L$	I~mA	$\Phi D \times L$	I~mA	$\Phi D \times L$	I~mA	$\Phi D \times L$	I~mA
1						6.3 X 12	65	8 X 12	68	8 X 12	82
1.2						6.3 X 12	70	8 X 12	73	8 X 12	85
1.5						6.3 X 12	76	8 X 12	83	8 X 12	90
1.8						8 X 12	90	8 X 12	95	8 X 16	98
2.2		6.3 X 12	60	6.3 X 12	74	8 X 12	100	8 X 16	115	8 X 16	116
2.7		6.3 X 12	74	8 X 12	80	8 X 12	105	8 X 16	128	8 X 16	129
3.3		8 X 12	88	8 X 12	94	8 X 16	115	10 X 16	133	10 X 16	144
4.7		8 X 12	130	8 X 12	115	8 X 16	128	10 X 16	140	10 X 16	156
5.6		8 X 12	155	8 X 12	123	10 X 16	150	10 X 16	168	10 X 20	178
6.8		8 X 16	178	8 X 16	134	10 X 16	190	10 X 20	195	10 X 20	220
8.2		8 X 16	220	8 X 16	145	10 X 20	236	10 X 20	230	13 X 21	277
10		10 X 16	270	10 X 16	180	10 X 20	303	13 X 21	300	13 X 21	330
15		10 X 16	295	10 X 20	275	13 X 21	330	13 X 21	348	13 X 25	440
22		10 X 20	330	13 X 21	338	13 X 25	420	13 X 25	392	16 X 26	550
33		13 X 21	400	13 X 21	380	16 X 26	468	16 X 26	445	18 X 31	675
47		13 X 25	530	13 X 25	462	16 X 31	522	18 X 26	510	18 X 36	830
68		16 X 26	645	16 X 26	566	18 X 31	850	18 X 36	880	22 X 31	998
82		16 X 26	810	18 X 26	703			22 X 31	1100	22 X 36	
100		16 X 31	998	18 X 31	966			22 X 36	1350		

I~ 额定纹波电流 Rated ripple current: (mA, 105°C, 120Hz)

Multiplier for ripple current

W.V	Frequency Factor	120	1K	10 ~ 30K	30 ~ 100K
		200 ~ 250	0.55	0.85	0.90
350 ~ 450		0.50	0.85	0.90	1.00