

LG

特点 Features

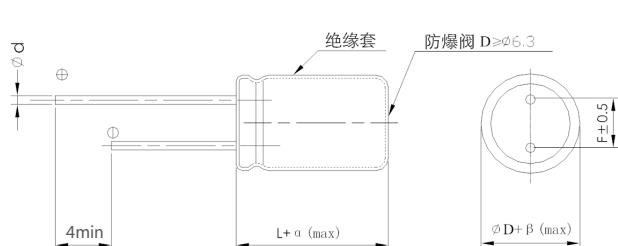
- 保证125°C 4000小时。Endurance :4000h at 125°C.
- 额定电压范围：200~450V。Rated Voltage Range: 200~450V.
- 高纹波,耐超高温。High ripple current, Extremely high temperature.
- 专为节能灯, 电子镇流器设计制造。
Specially designed for electronic ballast and energy-save lamp.
- 满足RoHS。RoHS Compliant.



主要技术性能 Specifications

项目 Items	特性 Performance Characteristics													
类别温度范围 Category Temperature Range	-40°C ~ +125°C													
额定电压范围 Rated Voltage(U _R)	200 ~ 450V													
标称容量范围 Nominal Capacitance Range(C _n)	1 ~ 100μF	120Hz, +20°C												
标称容量允许偏差 Allowed Capacitance Tolerance(C ₁)	±20%(M)	120Hz, +20°C												
漏电流 Leakage Current(I _L)	I ≤ 0.02 C _R U _R + 10 (μA)	+20°C after 2 minutes												
损耗角正切值 Tangent of loss angle(Tanδ)	<table border="1"> <tr> <td>U_R (V)</td> <td>200</td> <td>250</td> <td>350</td> <td>400</td> <td>450</td> </tr> <tr> <td>Tanδ</td> <td>0.15</td> <td>0.15</td> <td>0.20</td> <td>0.20</td> <td>0.20</td> </tr> </table> <p>当容量大于1000μF时, 每增加1000μF, 其损耗角正切值增加0.02 When nominal capacitance exceeds 1000μF, add 0.02 to the value above for each 1000μF increase.</p>	U _R (V)	200	250	350	400	450	Tanδ	0.15	0.15	0.20	0.20	0.20	Max. 120Hz, +20°C
U _R (V)	200	250	350	400	450									
Tanδ	0.15	0.15	0.20	0.20	0.20									
低温特性 Characteristics at low temperature	<table border="1"> <tr> <td>U_R (V)</td> <td>200</td> <td>250</td> <td>350</td> <td>400</td> <td>450</td> </tr> <tr> <td>Z_{-40°C}/Z_{+20°C}</td> <td>6</td> <td>6</td> <td>7</td> <td>7</td> <td>9</td> </tr> </table>	U _R (V)	200	250	350	400	450	Z _{-40°C} /Z _{+20°C}	6	6	7	7	9	Max. 120Hz
U _R (V)	200	250	350	400	450									
Z _{-40°C} /Z _{+20°C}	6	6	7	7	9									
耐久性 Load life	+125°C, 不超过额定电压的范围下叠加额定纹波电流, 连续加载额定电压4000小时, 恢复16小时后: Overlay the rated ripple current within the range of rated voltage and continuously load the rated voltage for 4000 hours+125, Recover for 16 hours; 容量变化率Capacitance change : ±20%初始测量值以内 within ±20% of initial value 损耗角正切值 Tanδ : ≤2倍初始规定值 Not more than 200% of specified value 漏电流 Leakage current : ≤初始规定值 Not more than specified value													
高温贮存 Shelf life	+125°C, 1000小时贮存后, 恢复16小时后: After storage for 1000 hours at +125°C and then recovery 16 hours: 容量变化率Capacitance change : ±20%初始测量值以内 within ±20% of initial value 损耗角正切值 Tanδ : ≤2倍初始规定值 Not more than 200% of specified value 漏电流 Leakage current : ≤2倍初始规定值 Not more than 200% of specified value													

尺寸图 Dimension drawings



单位 Unit: mm

D	8	10	12.5	16	18
F	3.5	5.0	5.0	7.5	7.5
d	0.5、0.6	0.6	0.6	0.8	0.8

αMAX	c L < 20 > 1.5	βMAX	0.5
	c L ≥ 20 > 2.0		

频率修正系数 Frequency Coefficient

Frequency (Hz)	50	120	1K	10K	100K
Kf	0.40	0.50	0.80	0.90	1.00

规格特性表 Table of specifications and characteristics

C _R (μ F)	200		250		350		400		450	
	Φ D×L mm*mm	I _{AC,max} 100KHz 125°C mA	Φ D×L mm*mm	I _{AC,max} 100KHz 125°C mA	Φ D×L mm*mm	I _{AC,max} 100KHz 125°C mA	Φ D×L mm*mm	I _{AC,max} 100KHz 125°C mA	Φ D×L mm*mm	I _{AC,max} 100KHz 125°C mA
1.0							8×11.5	50	8×11.5	45
1.2							8×11.5	55	8×11.5	48
1.5							8×11.5	65	8×16	50
1.8							8×16	75	8×16	54
2.2					8×11.5	70	8×16	80	8×20	65
2.7					8×11.5	75	8×20	85	8×20	75
3.3	8×11.5	70	8×11.5	75	8×16	80	8×20	95	10×16	80
4.7	8×11.5	80	8×11.5	90	8×20	110	10×20	100	10×20	90
5.6	8×16	85	8×16	110	10×20	120	10×25	110	10×25	95
6.8	8×16	85	8×20	125	10×20	160	10×25	175	12.5×20	160
8.2	8×20	160	8×20	150	10×20	170	12.5×20	210	12.5×20	170
10	8×20	200	10×16	170	10×25	200	12.5×20	220	12.5×20	210
15	10×20	335	10×20	230	12.5×20	230	16×20	255	16×20	340
18	10×20	355	10×25	280	12.5×25	250	16×25	315	16×25	380
22	10×25	405	12.5×20	320	12.5×25	270	16×25	345	16×25	420
33	12.5×20	480	12.5×20	400	16×25	380	18×30	510	16×35	500
47	12.5×25	530	16×20	560	18×30	530	18×35	670		
68	16×25	610	16×30	730	18×35	680				
82	18×25	765	18×30	775						
100	18×30	900	18×35	950						