

FP

特点 Features

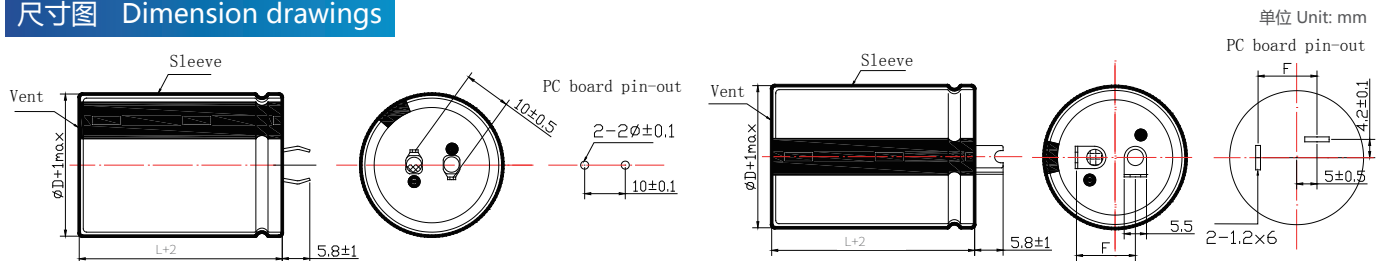
- 125°C 3000H. 125°C 3000 hours.
- 电压范围：400V~450V。Voltage range：400V~450V.
- 耐高温,宽温度。High temperature resistance, wide temperature range.
- 满足RoHS要求。RoHS compliant.



主要技术性能 Specifications

项目 Items	特性 Performance Characteristics							
使用温度范围 Operating Temperature Range	-40~+125°C							
额定电压范围 Rated Voltage Range(U _R)	400 ~ 450V							
标称容量范围 Nominal Capacitance Range(C _r)	220~820µF	120Hz,+20°C						
标称容量允许偏差 Capacitance Tolerance(C _r)	±20% (M)	120Hz,+20°C						
漏电流 Leakage Current(I _L)	≤3√C _r U _R							
损耗角正切值 Tangent of loss angle(Tanδ)	<table border="1"> <tr> <td>U_R(V)</td> <td>400V ~ 450V</td> </tr> <tr> <td>Tanδ</td> <td>0.20</td> </tr> </table>	U _R (V)	400V ~ 450V	Tanδ	0.20	Max. 120Hz,+20°C		
U _R (V)	400V ~ 450V							
Tanδ	0.20							
低温特性 Characteristics at low temperature	<table border="1"> <tr> <td>U_R(V)</td> <td>400~450</td> </tr> <tr> <td>Z_{-25°C}/Z_{+20°C}</td> <td>8</td> </tr> <tr> <td>Z_{-40°C}/Z_{+20°C}</td> <td>12</td> </tr> </table>	U _R (V)	400~450	Z _{-25°C} /Z _{+20°C}	8	Z _{-40°C} /Z _{+20°C}	12	Max. 120Hz
U _R (V)	400~450							
Z _{-25°C} /Z _{+20°C}	8							
Z _{-40°C} /Z _{+20°C}	12							
耐久性 Load life	+125°C施加带额定纹波电流的额定电压3000小时,恢复16小时后: After applying rated voltage with specified ripple current for 3000 hours at +125°C and then resumed 16 hours. 电容量变化率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,加额定工作电压处理30分钟,恢复16小时后: After storage for 1000 hours at +125°C, U _R to be applied for 30 minutes and then resumed 16 hours. 电容量变化率Capacitance change : ±15%初始测量值以内 within ±15% of initial value 损耗角正切值 Tanδ : ≤1.5倍初始规定值 Not more than 150% of specified value 漏电流 Leakage current : ≤初始规定值 Not more than specified value							

尺寸图 Dimension drawings



频率修正系数 Frequency Coefficient

Frequency (Hz)	50	120	300	1K	10K	≥50K
U _R (V)						
400~450	0.77	1.00	1.16	1.30	1.41	1.43

规格特性表
Table of Specifications and Characteristics

C _R (μF)	U _R (V)	400V					
		ΦD×L mmxmm	ESR _{max} 120Hz 25°C mΩ	I _{AC,max} 120Hz 105°C A	ΦD×L mmxmm	ESR _{max} 120Hz 25°C mΩ	I _{AC,max} 120Hz 105°C A
270		30×30	1229	1.24			
330		30×35	1005	1.41	35×30	1005	1.48
390		30×40	851	1.57	35×35	851	1.64
390		30×45	851	1.61			
470		30×50	706	1.80	35×40	706	1.86
560		30×55	592	2.01			
560		30×60	592	2.04	35×45	592	2.08
680					35×50	488	2.34
680					35×55	488	2.39
820					35×60	405	2.67

C _R (μF)	U _R (V)	450V					
		ΦD×L mmxmm	ESR _{max} 120Hz 25°C mΩ	I _{AC,max} 120Hz 105°C A	ΦD×L mmxmm	ESR _{max} 120Hz 25°C mΩ	I _{AC,max} 120Hz 105°C A
220		30×30	1508	1.12			
270		30×35	1229	1.27			
270		30×40	1229	1.31	35×30	1229	1.34
330		30×45	1005	1.48	35×35	1005	1.51
390		30×50	851	1.64	35×40	851	1.70
470		30×55	706	1.84			
470		30×60	706	1.87	35×45	706	1.91
560					35×50	592	2.13
560					35×55	592	2.17
680					35×60	488	2.43

ALUMINIUM ELECTROLYTIC CAPACITORS

SMD

MINIATURE

BI-POLAR

STANDARD

LOW-ESR

HIGH RELIABILITY

SNAP-IN

SCREW