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特点 Features

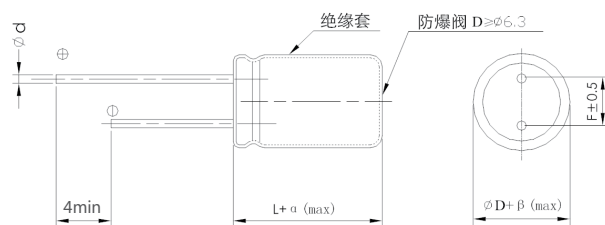
- 保证135°C 2000小时。 Endurance :2000h at 135°C.
- 额定电压范围：400~450V。 Rated Voltage Range: 400~450V.
- 抗雷击，小尺寸,适用于各种快充电源。
Lightning resistant, small size, suitable for various fast charging power supplies.
- 满足RoHS。 RoHS Compliant.



主要技术性能 Specifications

项目 Items	特性 Performance Characteristics				
类别温度范围 Category Temperature Range	-40~+135°C				
额定电压范围 Rated Voltage Range (U _r)	400~450V				
标称电容容量范围 Rated Capacitance Range(C _r)	4.7~100μF			120Hz, +20°C	
标称电容容量允许偏差 Rated Capacitance Tolerance(C _T)	±20%(M)			120Hz, +20°C	
漏电流 Leakage Current(I _l)	CV ≤ 1,000 CV > 1,000		≤ 0.01C _r U _r + 40μA ≤ 0.04C _r U _r + 100μA	+20°C after 2 minutes	
损耗角正切值 Tangent of loss angle(Tanδ)	U _r (V)	400	420	450	Max. 120Hz, +20°C
	Tanδ	0.20	0.24	0.24	
低温特性 Characteristics at low temperature	U _r (V)	400	420	450	Max. 120Hz
	Z _{-25°C} / Z _{+20°C}	5	6	6	
	Z _{-40°C} / Z _{+20°C}	12	12	12	
耐久性 Load life	+135°C, 不超过额定电压的范围内叠加额定纹波电流, 连续施加表中规定额定电压时间, 恢复16小时后: Overlay the rated ripple current within the range of rated voltage, continuously apply the rated voltage specified in the table for a time +135 °C, and recover for 16 hours: 电容量变化率Capacitance change : ±30%初始测量值以内 within ±30% of initial value 损耗角正切值 Tanδ : ≤3倍初始规定值 Not more than 300% of specified value 漏电流 Leakage current : ≤初始规定值 Not more than specified value				
	ΦD	8, 10	> 10		
	Load life	2000 hours	3000hours		
高温贮存 Shelf life	+135°C, 1000小时贮存后, 加额定工作电压处理60分钟, 恢复16小时后: After storage for 1000 hours at +135°C, U _r to be applied for 60 minutes and then recovery 16 hours: 电容量变化率Capacitance change : ±30%初始测量值以内 within ±30% of initial value 损耗角正切值 Tanδ : ≤3倍初始规定值 Not more than 300% 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	6.3	8	10~12.5	16~18
F	2.5	3.5	5.0	7.5
d	0.5	0.5、0.6	0.6	0.8

αMAX	< L < 20 >	1.5	βMAX	< D < 20 >	0.5
	< L ≥ 20 >	2.0		< D ≥ 20 >	1.0

频率修正系数 Frequency Coefficient

Frequency (Hz)	50	120	1K	10K	≥50K
Kf	0.77	1.00	1.30	1.41	2.50

规格特性表
Table of specifications and characteristics

C _r (μF)	U _r (V)	400		420		450	
		ΦD×L mm*mm	I _{AC,max} 120Hz 135°C mA	ΦD×L mm*mm	I _{AC,max} 120Hz 135°C mA	ΦD×L mm*mm	I _{AC,max} 120Hz 135°C mA
4.7		8×14	53	8×16	56	8×16	56
6.8		8×16	68	10×12.5	69	10×16	77
8.2		10×16	84	10×16	84	10×16	84
10		10×16	93	10×16	93	10×20	102
12		10×20	112	10×20	112	12.5×20	127
15		10×20	125	12.5×20	142	12.5×20	142
18		12.5×20	156	12.5×20	156	12.5×20	156
22		12.5×20	172	12.5×20	172	12.5×25	190
27		12.5×25	210	12.5×25	210	16×20	220
33		12.5×25	233	16×20	243	16×25	267
47		16×25	319	16×25	319	16×30	345
68		16×30	415	16×30	415	18×30	445
82		18×30	487	18×30	487	18×35	522
100		18×35	576	18×35	576	18×40	611