

# TW

## 特点 Features

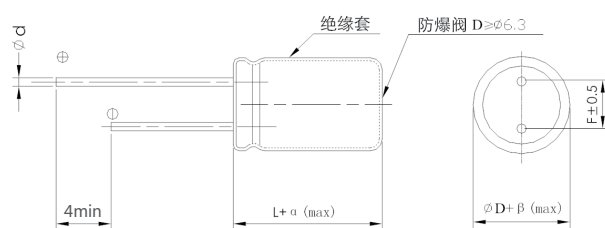
- 保证125°C 2000小时。 Endurance :2000h at 125°C.
- 额定电压范围：400~450V。 Rated Voltage Range: 400~450V.
- 抗雷击，小尺寸,适用于各种快充电源。  
Lightning resistant, small size, suitable for various fast charging power supplies.
- 满足RoHS。 RoHS Compliant.



## 主要技术性能 Specifications

项目 Items	特性 Performance Characteristics				
类别温度范围 Category Temperature Range	-40~+125°C				
额定电压范围 Rated Voltage Range (U <sub>R</sub> )	400~450V				
标称容量范围 Rated Capacitance Range(C <sub>R</sub> )	4.7~100μF			120Hz, +20°C	
标称容量允许偏差 Rated Capacitance Tolerance(C <sub>T</sub> )	±20%(M)			120Hz, +20°C	
漏电流 Leakage Current(I <sub>L</sub> )	≤0.03C <sub>R</sub> U <sub>R</sub> +40μA			+20°C after 2 minutes	
损耗角正切值 Tangent of loss angle(Tanδ)	U <sub>R</sub> (V)	400	420	450	Max. 120Hz, +20°C
	Tanδ	0.20	0.24	0.24	
低温特性 Characteristics at low temperature	U <sub>R</sub> (V)	400	420	450	Max. 120Hz
	Z <sub>-25°C</sub> / Z <sub>+20°C</sub>	6	7	7	
耐久性 Load life	+125°C, 不超过额定电压的范围内叠加额定纹波电流, 连续加载额定电压2000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 2000 hours+125°C, and recover for 16 hours; 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				
高温贮存 Shelf life	+125°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 +125°C, U <sub>R</sub> to be applied for 60 minutes 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 : 初始规定值 Not more than 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	α L < 20 > 1.5
	α L ≥ 20 > 2.0

βMAX	β D < 20 > 0.5
	β 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

U <sub>r</sub> (V) C <sub>r</sub> (μF)	400		420		450	
	ΦD×L mm*mm	I <sub>AC,max</sub> 120Hz 125°C mA	ΦD×L mm*mm	I <sub>AC,max</sub> 120Hz 125°C mA	ΦD×L mm*mm	I <sub>AC,max</sub> 120Hz 125°C mA
4.7	8×11.5	49	8×12	50	8×16	56
6.8	8×16	68	10×12.5	69	10×16	77
8.2	10×12.5	76	10×14	79	10×16	84
10	10×16	93	10×16	93	10×20	102
12	10×16	102	10×16	102	10×20	112
15	10×20	125	10×20	125	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	12.5×25	210
33	12.5×25	233	12.5×25	233	16×25	267
47	16×25	319	16×25	319	16×30	345
68	16×30	415	18×25	410	18×30	445
82	18×25	451	18×30	487	18×30	487
100	18×30	538	18×35	576	18×35	576