

#### VTK Series 片式铝电解电容器 耐高温品

Higher Temperature 125°C Aluminum Electrolytic Capacitor of V-chip Type

- 适用于回流焊 ● 适用于高密度表面组装
- 性能稳定、可靠性高 ● 寿命: 125°C, 1000 小时
- Reflow soldering is available ● Available for high density surface mounting
- High stability and reliability ● Life time: 125°C, 1000Hr

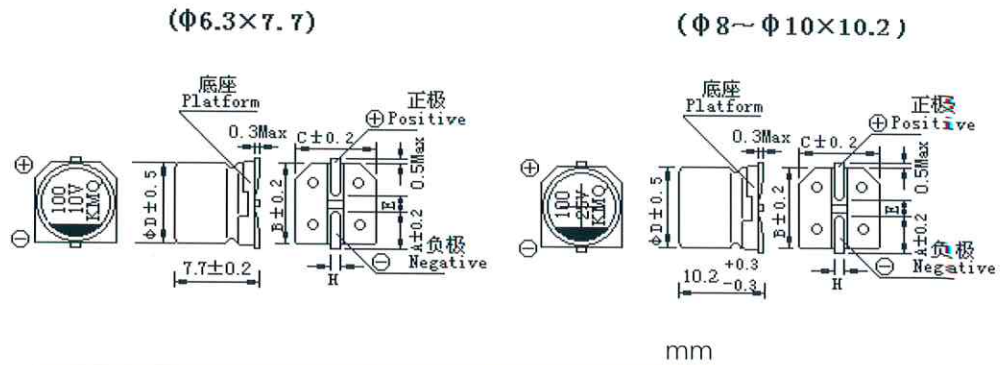


#### 主要技术性能 Specifications

使用温度范围 Operating Temperature Range	-40 ~ +125°C					
额定电压范围 Rated Voltage Range	10 ~ 50V DC					
标称电容量允许偏差 Capacitance Tolerance	± 20% (120Hz, 20°C)					
漏电流 Leakage Current	I ≤ 0.01C <sub>R</sub> U <sub>R</sub> (μA) 或 3 μA 取较大者, (2 分钟) I ≤ 0.01C <sub>R</sub> U <sub>R</sub> (μA) or 3 μA Whichever is greater (after 2 minutes)					
损耗角正切值 Dissipation Factor (120Hz 20°C)	U <sub>R</sub> (V)	10	16	25	35	50
	tg δ	0.32	0.24	0.21	0.18	0.18
温度特性 (120Hz) Temperature Characteristics Impedance Ratio (120Hz)	U <sub>R</sub> (V)	10	16	25	35	50
	Z <sub>-25°C</sub> /Z <sub>+20°C</sub>	3	2	2	2	2
	Z <sub>-40°C</sub> /Z <sub>+20°C</sub>	6	4	4	3	3
耐久性 Load Life	+125°C施加额定电压 1000 小时,恢复 16 小时后,电容器应满足要求 After applying rated voltage for 1000 hours at +125°C and then resumed 16 hours. The capacitor shall meet the following limits.					
	电容量变化率 Capacitance Change	≤ ± 30% 初始测量值 ≤ ± 30% of Initial measured value				
	漏电流值 Leakage	≤ 规定值 ≤ The specified value				
	损耗角正切值 Dissipation Factor	≤ 3 倍规定值 ≤ 300% of the specified value				
高温贮存 Shelf Life	+125°C,1000 小时, 恢复 16 小时后,电容器应满足下列要求。 After storage for 1000 hours at +125°C and then resumed 16 hours, the capacitor shall meet the following limits.					
	电容量变化率 Capacitance Change	≤ ± 30% 初始测量值 ≤ ± 30% of Initial measured value				
	漏电流值 Leakage	≤ 2 倍规定值 ≤ 200% of the specified value				
	损耗角正切值 Dissipation Factor	≤ 2 倍规定值 ≤ 200% of the specified value				
耐焊接热 Resistance to Soldering Heat	在 250°C 的条件下,电容器应在热板上保持 30 秒,然后从热板上取出电容器,让其在室温下恢复,电容器应满足以下要求: The capacitors shall be kept on the hot plate maintained at 250°C for 30 seconds. After removing from the hot plate and restored at room temperature,then meet the following requirement.					
	电容量变化率 Capacitance Change	≤ ± 10% 初始测量值 ≤ ± 10% of Initial measured value				
	漏电流值 Leakage	≤ 规定值 ≤ The specified value				
	损耗角正切值 Dissipation Factor	≤ 初始规定值 ≤ The specified value				

## VTK Series

### 尺寸及印字 Dimensions & Marking



Size	φ 6.3×7.7	φ 8×10.2	φ 10×10.2
A	2.5	2.9	3.2
B	6.6	8.3	10.3
C	6.6	8.3	10.3
E	2.2	3.1	4.5
L	7.7	10.2	10.2
H	0.5~0.9	0.8~1.1	

### 标称电容量、额定电压、额定纹波电流与外形尺寸对应表

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

wv mA μF	10		16		25		35		50	
	D×L mm	I~mA	D×L mm	I~mA	D×L mm	I~mA	D×L mm	I~mA	D×L mm	I~mA
10									6.3×7.7	25
22									6.3×7.7	50
33							6.3×7.7	53	8×10.2	74
47					6.3×7.7	56	8×10.2	79	10×10.2	94
100	6.3×7.7	62	8×10.2	89	8×10.2	84	10×10.2	101		
220	8×10.2	93	10×10.2	113						
330	10×10.2	118								

I~ 额定纹波电流 Rated ripple current: (mA, 125°C, 120Hz)