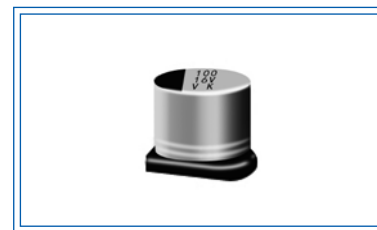


VK 片式铝电解电容
SMD Aluminum Electrolytic Capacitors

- 125°C 1000-1500 小时保证品。125°C 1000-1500 hrs guarantee.
- 产品尺寸：Φ6.3-Φ10mm。Size: Φ6.3-Φ10mm.
- 适用于车载电装品的高温用途。Available for electrical parts with high temperature.
- RoHS 指令 (2002/95/EC) 已对应完毕。Adapted to the RoHS directive.

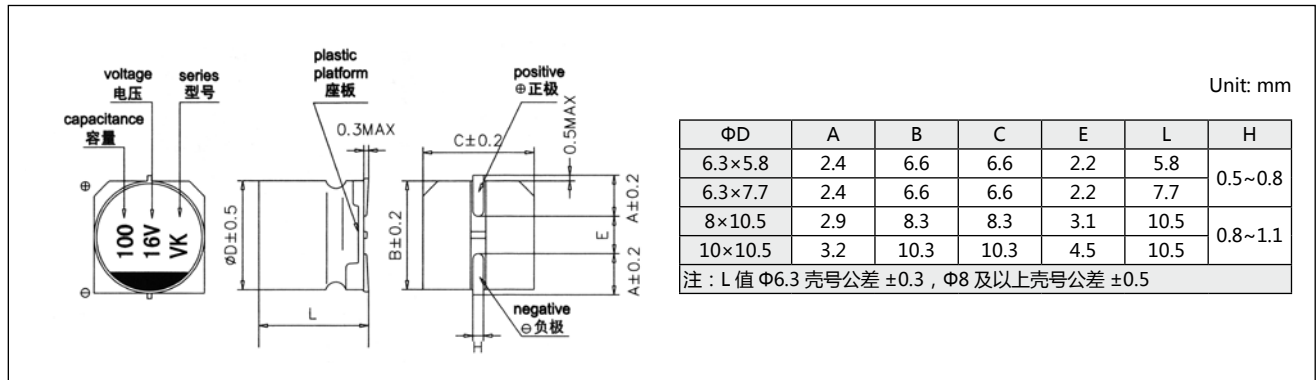


Surface Mount

主要技术性能 Specifications

项 目 Item	特 性 Performance Characteristics					
工作温度范围 Operating Temperature Range	-40°C ~ +125°C					
额定电压范围 Rated Voltage Range	10~50V					
标称容量范围 Nominal Capacitance Range	10~470μF					
标称容量允许偏差 Capacitance Tolerance	±20%(+20°C ,120Hz)					
漏电流 Leakage Current	I ≤ 0.01C _R U _R or 3(μA), 取较大者 (2 分钟) Whichever is greater (at 20°C , after 2 minutes) C _R : 标称容量 Nominal capacitance(μF), U _R : 额定电压 Rated voltage(V)					
损耗角正切值 (tgδ) Dissipation Factor (Max) (+20°C ,120Hz)	U _R (V)	10	16	25	35	50
	tgδ	0.30	0.24	0.20	0.17	0.14
耐久性 Load Life	+125°C连续加 1000~1500 小时额定电压后，电容器应满足以下要求： After 1000~1500 hours' application of rated voltage at 105°C , the capacitor shall meet the following requirement:					
	规定时间 Specified time	Φ6.3*5.8~Φ6.3*7.7:1000 小时 Φ8*10.5~Φ10*10.5:1500 小时				
	电容量变化率 Capacitance change	±30% 初始测量值以内 Within ±30% of the initial value				
	损耗角正切 Dissipation factor	≤ 300% 初始规定值 Not more than 300% of the initial specified value				
漏电流 Leakage current	≤ 初始规定值 Not more than the initial specified value					
高温贮存 Shelf Life	+105°C 贮存 1000 小时后，加额定工作电压 30 分钟，电容器应满足以上耐久性要求。 After storage for 1000 hours at 105°C ,U _R to be applied for 30 minutes,the capacitors shall meet the requirement of load life above.					
低温特性 Low Temperature Stability 阻抗比 Impedance Ratio(120Hz)	U _R (V)	10	16	25	35	50
	Z-25°C /+20°C	6	5	4	3	3
	Z-40°C /+20°C	12	8	6	4	4
耐焊接热 Resistance to Soldering Heat	在 250°C的条件下，电容器在热板上保持 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, they meet the following requirement:					
	电容量变化率 Capacitance change	±10% 初始测量值以内 Within ±10% of the initial value				
	损耗角正切 Dissipation factor	≤ 初始规定值 Not more than the initial specified value				
	漏电流 Leakage current	≤ 初始规定值 Not more than the initial specified value				

外形图及尺寸 *Diagram of Dimensions*



Surface Mount

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 (V_{dc})	Cap. (μF)	$\Phi D \times L$ (mm)	I_{\sim} mA rms 120Hz/125°C	WV (V_{dc})	Cap. (μF)	$\Phi D \times L$ (mm)	I_{\sim} mA rms 120Hz/125°C	
10	68	6.3×5.8	50	35	10	6.3×5.8	50	
	100	6.3×7.7	75		22	6.3×5.8	50	
	220	8×10.5	130		33	6.3×7.7	70	
	330	8×10.5	130		47	6.3×7.7	70	
	330	10×10.5	180		47	8×10.5	130	
	470	10×10.5	180		100	8×10.5	130	
16	33	6.3×5.8	50		100	10×10.5	180	
	47	6.3×7.7	70		220	10×10.5	180	
	100	6.3×7.7	75		50	10	6.3×5.8	50
	100	8×10.5	130			22	6.3×7.7	70
	220	8×10.5	130	33		6.3×7.7	70	
	220	10×10.5	180	33		8×10.5	130	
	330	10×10.5	180	47		8×10.5	130	
25	22	6.3×5.8	50	47		10×10.5	180	
	33	6.3×5.8	50	100		10×10.5	180	
	47	6.3×7.7	70					
	100	8×10.5	130					
	220	8×10.5	130					
	220	10×10.5	180					
	330	10×10.5	180					

额定纹波电流的频率系数 *Frequency coefficient of ripple current*

Frequency 频率	50Hz	120Hz	300Hz	1kHz	10KHz ~
Coefficient 系数	0.85	1.0	1.17	1.36	1.50