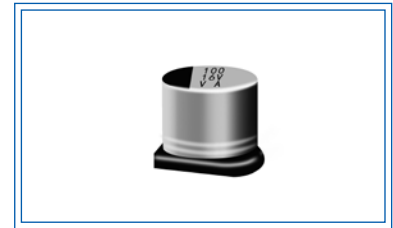


**VA** 片式铝电解电容  
SMD Aluminum Electrolytic Capacitors

- 低阻抗。Low impedance.
- 适用于再流焊。Reflow soldering is available.
- 适用于高密度表面组装。Available for high density surface mounting.
- 工作温度范围宽 (-55°C ~ +105°C)。Operating over wide temperature range.
- RoHS 指令已对应完毕。Adapted to the RoHS directive.

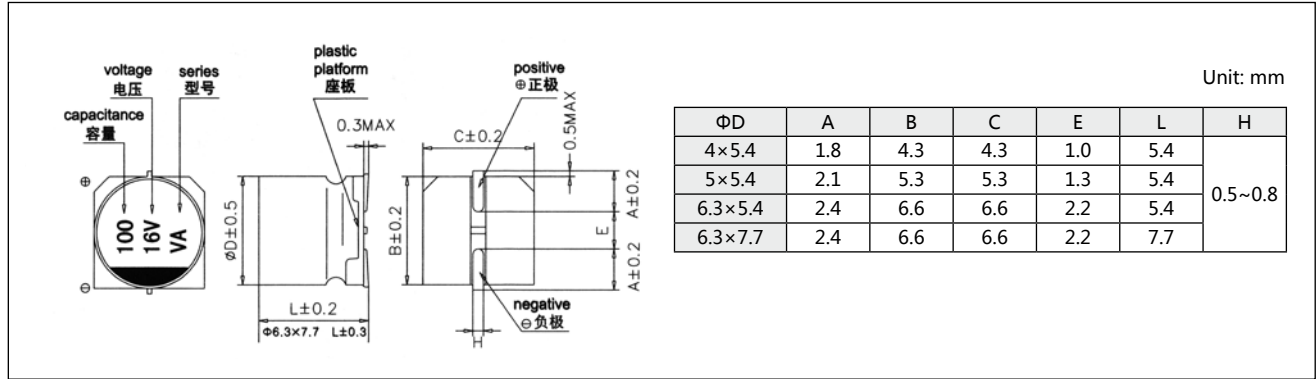


Surface Mount

**主要技术性能 Specifications**

项目 Item	特性 Performance Characteristics					
工作温度范围 Operating Temperature Range	-55°C ~ +105°C					
额定电压范围 Rated Voltage Range	6.3~35V					
标称容量范围 Nominal Capacitance Range	1~220μF					
标称容量允许偏差 Capacitance Tolerance	±20%(+20°C, 120Hz)					
漏电流 Leakage Current	I ≤ 0.01C <sub>R</sub> U <sub>R</sub> or 3(μA), 取较大者 ( 2 分钟 ) Whichever is greater (at 20°C , after 2 minutes) C <sub>R</sub> : 标称容量 Nominal capacitance(μF), U <sub>R</sub> : 额定电压 Rated voltage(V)					
损耗角正切值 ( tgδ ) Dissipation Factor (Max) ( +20°C ,120Hz )	U <sub>R</sub> (V)	6.3	10	16	25	35
	tgδ	0.22	0.19	0.16	0.14	0.12
耐久性 Load Life	+105°C施加额定电压 2000 小时后, 电容器应满足以下要求: After 2000 hours' application of rated voltage at 105°C, the capacitor shall meet the following requirement:					
	容量变化率 Capacitance change	±20% 初始测量值以内 Within ±20% of the initial value				
	损耗角正切 Dissipation factor	≤ 200% 初始规定值 Not more than 200% of the initial specified value				
高温贮存 Shelf Life	+105°C 贮存 1000 小时后, 电容器应满足以上耐久性要求。 After storage for 1000 hours at 105°C, the capacitors shall meet the requirement of load life above.					
	低温特性 Low Temperature Stability 阻抗比 Impedance Ratio(120Hz)	U <sub>R</sub> (V)	6.3	10	16	25
耐焊接热 Resistance to Soldering Heat	Z-25°C /+20°C	2	2	2	2	2
	Z-40°C /+20°C	4	4	3	3	3
	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:					
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

V Item Cap.(μF)	6.3			10			16			25			35		
	ΦD×L (mm)	Impedance Ω	I~ (mA)	ΦD×L (mm)	Impedance Ω	I~ (mA)	ΦD×L (mm)	Impedance Ω	I~ (mA)	ΦD×L (mm)	Impedance Ω	I~ (mA)	ΦD×L (mm)	Impedance Ω	I~ (mA)
1.0													4×5.4	5.0	50
1.5													4×5.4	5.0	50
2.2													4×5.4	5.0	50
3.3													4×5.4	5.0	50
4.7										4×5.4	5.0	50	4×5.4	5.0	50
6.8										4×5.4	2.6	50	5×5.4	2.6	80
10							4×5.4	5.0	50	5×5.4	2.6	80	5×5.4	2.6	80
15							5×5.4	2.6	80	6.3×5.4	1.3	80	6.3×5.4	1.3	115
22	4×5.4	5.0	50	5×5.4	2.6	80	5×5.4	2.6	80	6.3×5.4	1.3	115	6.3×5.4	1.3	115
33	5×5.4	2.6	80	5×5.4	2.6	80	6.3×5.4	1.3	115	6.3×5.4	1.3	115	6.3×7.7	0.8	150
47	5×5.4	2.6	80	6.3×5.4	1.3	115	6.3×5.4	1.3	115	6.3×7.7	0.8	150	6.3×7.7	0.8	150
68	6.3×5.4	1.3	115	6.3×5.4	1.3	115	6.3×7.7	0.8	150	6.3×7.7	0.8	150			
100	6.3×5.4	1.3	115	6.3×7.7	0.8	150	6.3×7.7	0.8	150						
150	6.3×7.7	0.8	150	6.3×7.7	0.8	150									
220	6.3×7.7	0.8	150												

I~ = 额定纹波电流 Rated ripple current (mA) (105° C, 100KHz)

Low impedance (20° C, 100KHz)

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	0.64	0.50	0.64	0.83	1.00