

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℃ ~ +105℃)。Operating over wide temperature range.
- RoHS 指令已对应完毕。Adapted to the RoHS directive.

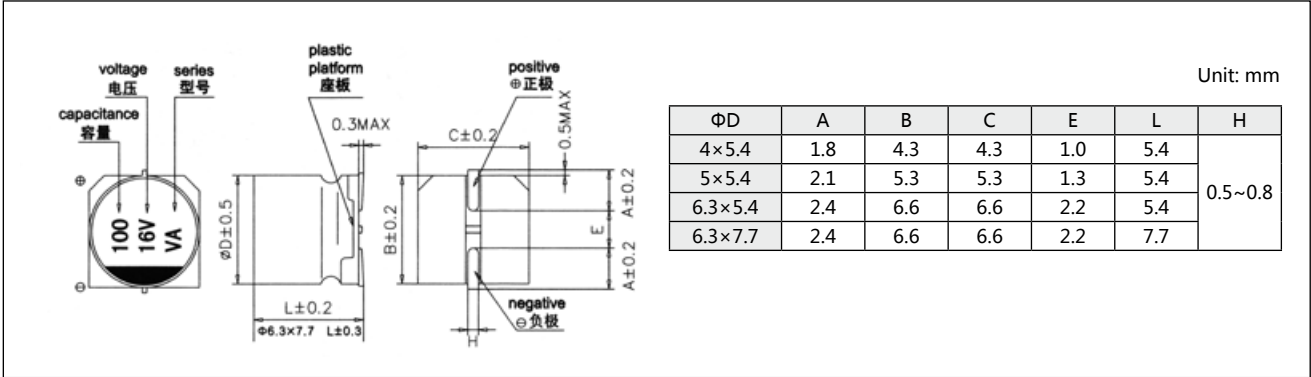


Surface Mount

主要技术性能 Specifications

项 目 Item	特 性 Performance Characteristics					
工作温度范围 Category Temperature Range	-55℃ ~ +105℃					
额定电压范围 Rated Voltage Range	6.3~35V _{dc}					
标称电容量允许偏差 Capacitance Tolerance	±20% （+20℃，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℃，after 2 minutes) C _R : 标称电容量 Nominal capacitance(μF), U _R : 额定电压 Rated voltage(V)					
损失角正切值（tgδ） Dissipation Factor (Max) （+20℃,120Hz）	Rated Voltage(V _{dc})	6.3	10	16	25	35
	tgδ(Max.)	0.22	0.19	0.16	0.14	0.12
耐久性 Endurance	+105℃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℃, the capacitor shall meet the following requirement:					
	电容量变化率 Capacitance change	±20% 初始测量值以内 Within ±20% of the initial value				
	损失角正切值 Dissipation factor	≤ 200% 初始规定值 Not more than 200% 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℃ 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℃, the capacitors shall meet the requirement of load life above.					
温度特性（阻抗比 Max.） Temperature characteristics (Max. Impedance ratio) （120Hz）	Rated Voltage(V _{dc})	6.3	10	16	25	35
	Z(-25℃)/Z(+20℃)	2	2	2	2	2
	Z(-40℃)/Z(+20℃)	4	4	3	3	3
耐焊接热 Resistance to Soldering Heat	在 250℃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℃ 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				
	损失角正切值 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*



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