



# VS 铝电解电容器-贴片型

## Aluminum electrolytic capacitor- SMD type

### 特点 Features

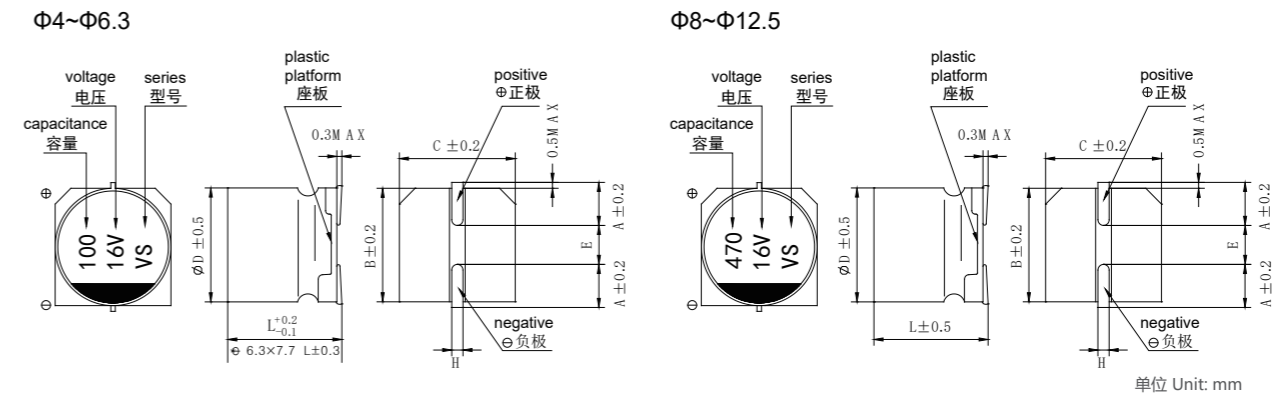
- 产品直径 Case diameter: Φ4~12.5mm.
- 适用于再流焊。Reflow soldering is available.
- 适用于高密度表面组装。Available for high density surface mounting.
- RoHS指令已对应完毕。Adapted to the RoHS directive.



### 主要技术性能 Specifications

项目 Items	特性 Performance Characteristics									
工作温度范围 Operating Temperature Range	-40~85°C									
额定电压范围 Rated Voltage Range	6.3~100V									
标称容量范围 Nominal Capacitance Range	0.1~2200μF									
标称容量允许偏差 Nominal Capacitance Tolerance	±20% (20°C, 120Hz)									
漏电流 Leakage Current	I ≤ 0.01CRVR or 3(μA), 取较大者 (2分钟) CR: 标称容量 (μF) UR: 额定电压 (V) I ≤ 0.01CRVR or 3(μA) Whichever is greater (at 20°C, After 2 minutes) CR: Nominal Capacitance (μF) UR: Rated voltages (V)									
损耗角正切 (tgδ) Dissipation Factor (Max) 20°C, 120Hz	U <sub>r</sub> (V)	6.3	10	16	25	35	50	63	100	
	tgδ	0.28	0.24	0.20	0.16	0.14	0.12	0.12	0.10	
耐久性 Load Life	+85°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 85°C, the capacitor shall meet the following requirement:									
	容量变化率 Capacitance Change	±20%初始值以内 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								
漏电流 Leakage Current	≤ 初始规定值 Not more than the initial specified value									
高温贮存 Shelf Life	+85°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 +85°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	35	50	63	100	
	Z(-25°C)/Z(+20°C)	< Φ8	4	3	2	2	2	2	2	2
	≥ Φ8	5	4	3	2	2	2	2	2	2
Z(-40°C)/Z(+20°C)	< Φ8	8	8	4	4	3	3	3	3	
≥ Φ8	10	8	6	4	3	3	3	3	3	
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.									
	容量变化率 Capacitance Change	±10%初始值以内 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								

### 外形图及尺寸表 Case Size Table



	4×5.4	5×5.4	6.3×5.4	6.3×7.7	8×6.5	8×10.5	10×10.5	12.5×13.5
A	1.8	2.1	2.4	2.4	2.9	2.9	3.2	4.7
B	4.3	5.3	6.6	6.6	8.3	8.3	10.3	13
C	4.3	5.3	6.6	6.6	8.3	8.3	10.3	13
E	1.0	1.3	2.2	2.2	2.3	3.1	4.5	4.5
L	5.4	5.4	5.4	7.7	6.5	10.5	10.5	13.5
H	0.5~0.8						0.8~1.1	

单位 Unit: mm

### 标称容量、额定电压、额定纹波电流与尺寸对应表

#### Nominal Capacitance, Rated Voltage, Rated Ripple Current and Case Size Table

V μF	6.3		10		16		25		35		50		63		100			
	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	D×L mm	I~mA	D×L mm	I~mA	D×L mm	I~mA		
0.1											4×5.4	3.2						
0.22											4×5.4	4.7						
0.33											4×5.4	5.7						
0.47											4×5.4	6.8						
1.0											4×5.4	10						
2.2											4×5.4	15						
3.3											4×5.4	18						
4.7								4×5.4	20	4×5.4	20	4×5.4	24	5×5.4	20	6.3×7.7	50	
10					4×5.4	26	4×5.4	24	4×5.4	24	5×5.4	41	6.3×5.4	32	8×10.5	90		
22	4×5.4	31	4×5.4	30	4×5.4	30	5×5.4	38	5×5.4	39	6.3×5.4	56	6.3×5.4	71	6.3×7.7	60	8×10.5	90
33	4×5.4	31	4×5.4	28	5×5.4	45	5×5.4	46	6.3×5.4	65	6.3×7.7	94	8×10.5	117	10×10.5	120		
47	4×5.4	40	5×5.4	47	5×5.4	52	6.3×5.4	70	6.3×7.7	94	6.3×7.7	105	8×10.5	120	10×10.5	123		
100	5×5.4	47	5×5.4	54	6.3×5.4	103	6.3×7.7	143	6.3×7.7	132	8×10.5	200	10×10.5	180	12.5×13.5	450		
220	6.3×5.4	91	6.3×7.7	173	6.3×7.7	162	8×10.5	230	8×10.5	200	10×10.5	320	12.5×13.5	510				
330	6.3×7.7	188	8×10.5	390	8×10.5	320	8×10.5	270	10×10.5	360	12.5×13.5	620						
470	8×10.5	380	8×10.5	390	8×10.5	350	10×10.5	380	12.5×13.5	600								
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1000	8×10.5	370	10×10.5	580	12.5×13.5	780	12.5×13.5	760										
2200	10×12.5	820																

I~ = Rated ripple current (mA) (85°C, 120Hz) I~ = 额定纹波电流 (mA) (85°C, 120Hz)

ALUMINUM ELECTROLYTIC CAPACITORS SMD MINIMATURE STANDARD LOW-ESR SWITCH-POWER LIGHTING SNAP-IN SCREW



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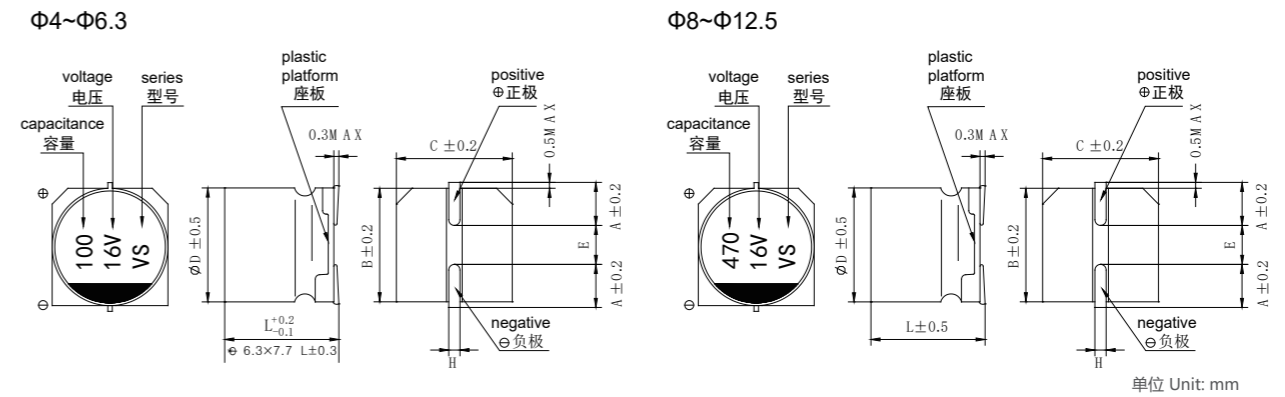
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