VS 铝电解电容器-贴片型
Aluminum electrolytic capacitor- SMD type

特点 Features

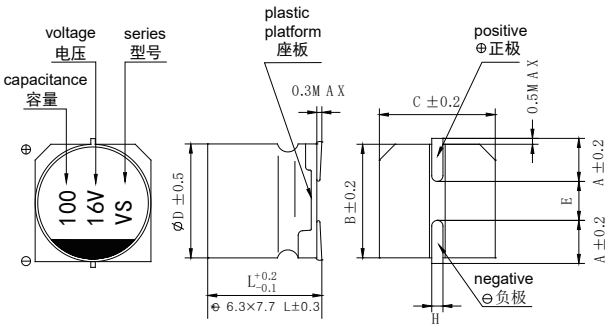
- 产品直径 Case diameter: Φ4~12.5mm.
- 适用于再流焊。 Reflow soldering is available.
- 适用于高密度表面组装。Available for high density surface mounting.
- RoHS指令已对应完毕。Adapted to the RoHS directive.

主要技术性能 Specifications

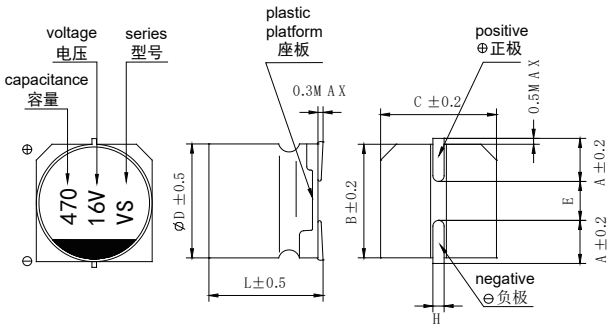
项目 Items	特性 Performance Characteristics								
工作温度范围 Operating Temperature Range	-40~85℃								
额定电压范围 Rated Voltage Range	6.3~100V								
标称电容量范围 Nominal Capacitance Range	0.1~2200μF								
标称电容量允许偏差 Nominal Capacitance Tolerance	±20%（20℃，120Hz）								
漏电流 Leakage Current	I≤0.01CRVR or 3(μA)，取较大者（2分钟） CR：标称电容量（μF） UR：额定电压（V） I≤0.01CRVR or 3(μA) Whichever is greater(at 20℃, After 2 minutes) CR: Nominal Capacitance (μF) UR: Rated voltages (V)								
损耗角正切（tgδ） Dissipation Factor (Max) 20℃, 120Hz	U_R (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℃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℃, the capacitor shall meet the following requirement:								
	电容量变化率 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℃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℃, 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)		6.3	10	16	25	35	50	63	100
	Z(-25℃)/Z(+20℃)	< Φ8	4	3	2	2	2	2	2	2
		≥ Φ8	5	4	3	2	2	2	2	2
	Z(-40℃)/Z(+20℃)	< Φ8	8	8	4	4	3	3	3	3
		≥ Φ8	10	8	6	4	3	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

Φ4~Φ6.3



Φ8~Φ12.5



单位 Unit: mm

	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		

标称电容量、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
											5×5.4	25				
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
							5×5.4	32	5×5.4	34	6.3×5.4	56				
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	71	6.3×7.7	60	8×10.5	90
			5×5.4	39	5×5.4	44	6.3×5.4	60	6.3×5.4	59						
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
	5×5.4	44	5×5.4	48												
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
	5×5.4	52			6.3×5.4	75					8×10.5	140				
100	5×5.4	47	5×5.4	54	6.3×5.4	103	6.3×77	143	6.3×7.7	132	8×10.5	200	10×10.5	180	12.5×13.5	450
	6.3×5.4	89	6.3×5.4	98					8×10.5	175	10×10.5	250				
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		
			8×6.5	165	8×10.5	280			10×10.5	310						
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				
							10×10.5	340								
470	8×10.5	380	8×10.5	390	8×10.5	350	10×10.5	380	12.5×13.5	600						
					10×10.5	420										
680	8×10.5	370	10×10.5	480	10×10.5	440	12.5×13.5	700	12.5×13.5	690						
1000	8×10.5	370	10×10.5	580	12.5×13.5	780	12.5×13.5	760								
	10×10.5	700														
2200	10×12.5	820														

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