VS 型片式铝电解电容

VS Series Chip Type Aluminum Electrolytic Capacitors

特点 Features

- 85℃标准品.
- 适用于回流焊。 Reflow soldering is available.
- 适用于高密度表面贴装。Suitable for high density SMT.
- 符合ROHS指令标准。Comply with ROHS directive standards.

主要技术性能 Specifications

项目 Items	特性 Characteristics
工作温度范围 Operating Temperature Range	-40℃ ~ 85℃
额定电压范围 Rated Voltage Range	6.3V ~ 100V
标称电容量范围 Nominal Capacitance Range	0.1 ~ 1500μF
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	UR (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

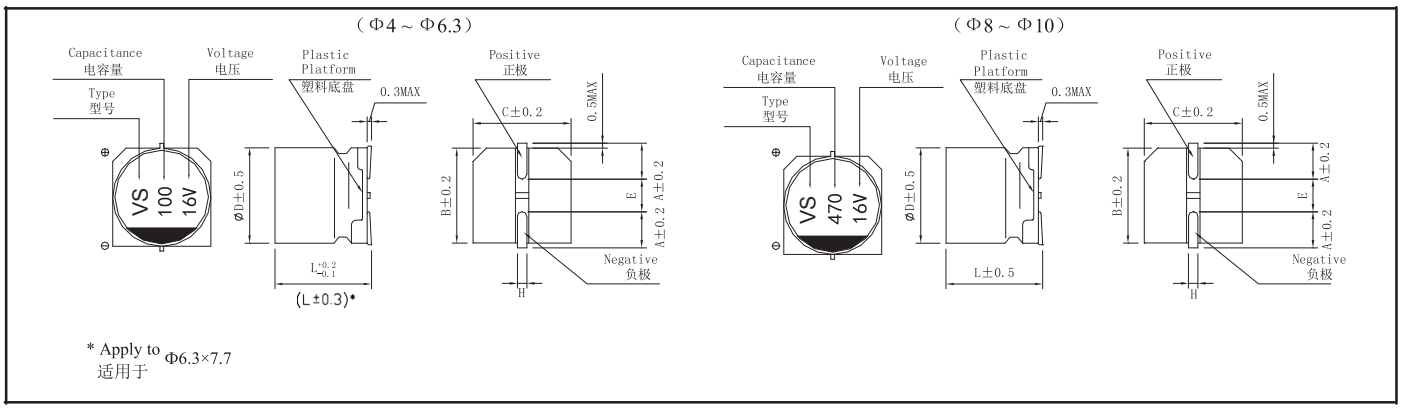
耐久性 Load Life	+85℃施加额定电压 2000 小时后，电容器应满足以下要求： After 2000 hours' application of rated voltage at 85℃, the capacitor shall meet the following requirement:	
	电容量变化率 Capacitance Change	±20%初始值以内 Within ±20% of the initial value
	损耗角正切 Dissipation Factor	≤ 200%初始规定值 Not more than 200% of the initial specified 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)	UR (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	4	3	3	3
		≥Φ8	10	8	6	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



(mm)

	4 x 5.4	5 x 5.4	6.3 x 5.4	6.3 x 7.7	8 x 6.5	8 x 0.5	10 x 10.5
A	1.8	2.1	2.4	2.4	2.9	2.9	3.2
B	4.3	5..3	6.6	6.6	8.3	8.3	10.3
C	4.3	5.3	6.6	6.6	8.3	8.3	10.3
E	1.0	1.3	2.2	2.2	2.3	3.1	4.5
L	5.4	5.4	5.4	7.7	6.5	10.5	10.5
H	0.5 ~ 0.8					0.8 ~ 1.1	

■ 标称电容量、额定电压、额定纹波电流与外形尺寸对应表

μF	6.3		10		16		25		35		50		63		100	
	DxL mm	I~mA	DxL mm	I~mA	DxL mm	I~mA	DxL mm	I~mA	DxL mm	I~mA	DxL mm	I~mA	DxL mm	I~mA	DxL mm	I~mA
0.1											4x5.4	3.2				
0.22											4x5.4	4.7				
0.33											4x5.4	5.7				
0.47											4x5.4	6.8				
1.0											4x5.4	10				
2.2											4x5.4	15				
3.3											4x5.4	18				
4.7							4x5.4	22	4x5.4	20	4x5.4	24			6.3x7.7	40
											4x5.4	25				
10					4x5.4	26	4x5.4	24	4x5.4	24	5x5.4	41	6.3x7.7	50	8x10.5	77
							5x5.4	32	5x5.4	34	6.3x5.4	43				
22	4x5.4	31	4x5.4	30	4x5.4	30	5x5.4	38	5x5.4	39	6.3x5.4	71	6.3x7.7	96	8x10.5	100
			5x5.4	39	5x5.4	44	6.3x5.4	55	6.3x5.4	59						
33	4x5.4	31	4x5.4	34	5x5.4	44	5x5.4	46	6.3x5.4	65	6.3x7.7	94	8x10.5	117	10x10.5	130
	5x5.4	44	5x5.4	48	6.3x5.4	63	6.3x5.4	67								
47	4x5.4	40	5x5.4	47	5x5.4	52	6.3x5.4	70	6.3x7.7	94	6.3x7.7	105	10x10.5	140		
	5x5.4	52	6.3x5.4	67	6.3x5.4	75					8x10.5	140				
100	5x5.4	47	5x5.4	54	6.3x5.4	103	6.3x77	143	6.3x7.7	132	8x10.5	200				
	6.3x5.4	89	6.3x5.4	98					8x10.5	175	10x10.5	250				
220	6.3x5.4	91	6.3x7.7	173	6.3x7.7	162	8x10.5	230	8x10.5	200	10x10.5	320				
			8x6.5	250	8x10.5	280	10x10.5	310	10x10.5	310						
330	6.3x7.7	188	8x10.5	390	8x10.5	320	8x10.5	270	10x10.5	360						
							10x10.5	340								
470	8x10.5	380	8x10.5	390	8x10.5	350	10x10.5	380								
					10x10.5	420										
1000	8x10.5	370	10x10.5	580												
	10x10.5	700														
1500	10x10.5	750														

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