



VS 型片式铝电解电容

Series Chip Type Aluminum Electrolytic Capacitors

特点 Features

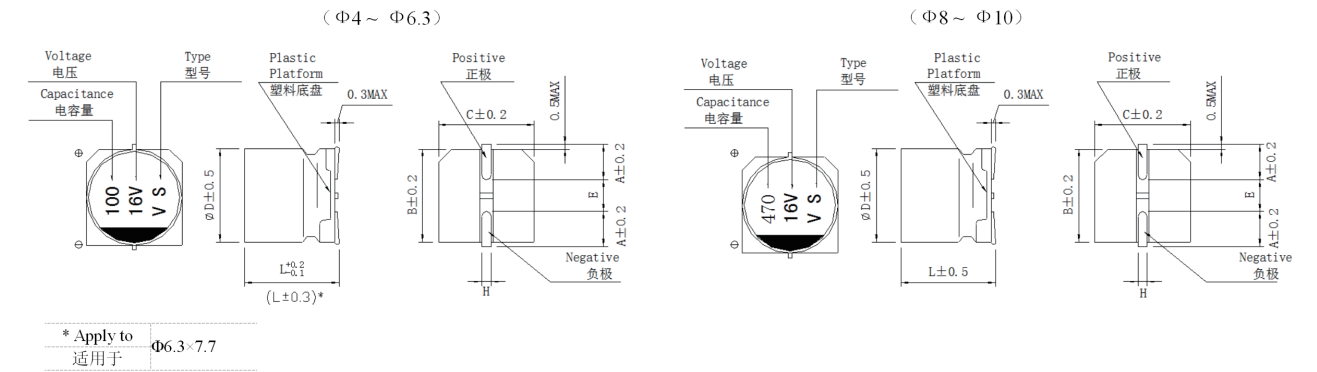
- 产品直径 Case diameter: Φ 4mm – Φ 10mm.
- 适用于再流焊。Reflow soldering is available.
- 适用于高密度表面组装。Available for high density surface mounting.
- ROHS指令已对应完毕。Adapted to the ROHS directive.



主要技术性能 Specifications

项目 Items	特性 Performance Characteristics									
工作温度范围 Operating Temperature Range	-40°C ~ 85°C									
额定电压范围 Rated Voltage Range	6.3V ~ 100V									
标称容量范围 Nominal Capacitance Range	0.1 ~ 1500μF									
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 _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°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 _r (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
	Z(-40°C)/Z(+20°C)	< 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°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
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	22	4×5.4	20	4×5.4	24				
10					4×5.4	26	4×5.4	24	4×5.4	24	5×5.4	41	6.3×7.7	50	8×10.5	77
22	4×5.4	31	5×5.4	39	5×5.4	44	6.3×5.4	55	6.3×5.4	59	6.3×5.4	71	6.3×7.7	96	8×10.5	100
33	4×5.4	31	4×5.4	34	5×5.4	44	5×5.4	46	6.3×5.4	65	6.3×7.7	94	8×10.5	117	10×10.5	130
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	10×10.5	140		
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				
	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				
			8×6.5	250	8×10.5	280	10×10.5	310	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	340	10×10.5	360				
470	8×10.5	380	8×10.5	390	8×10.5	350	10×10.5	380								
			10×10.5	420												
1000	8×10.5	370	10×10.5	580												
	10×10.5	700														
1500	10×10.5	750														

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

SOLID
CHIP
MINIATURE
STANDARD
LOW-ESR
SWITCH-POWER
LIGHTING
SPECIAL
SNAP-IN
SCREW



VS 型片式铝电解电容

Series Chip Type Aluminum Electrolytic Capacitors

特点 Features

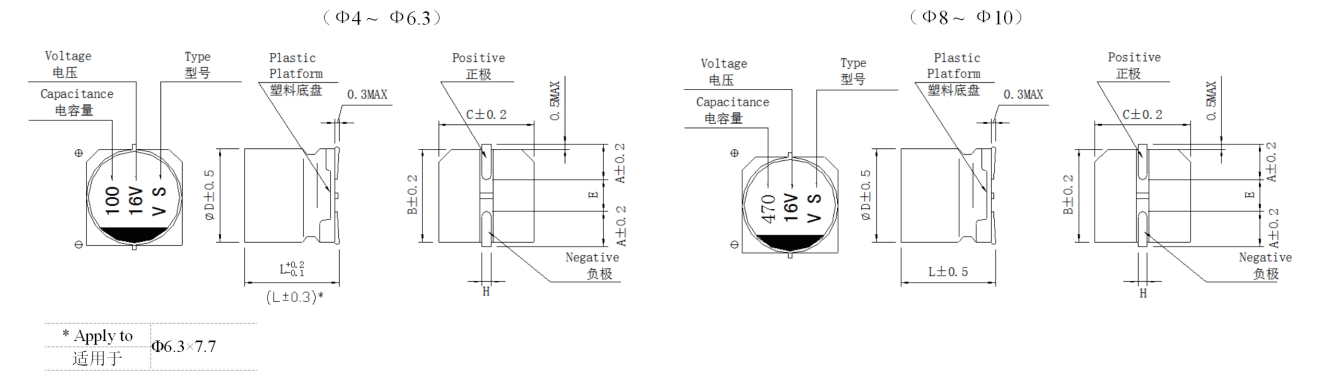
- 产品直径 Case diameter: Φ 4mm – Φ 10mm.
- 适用于再流焊。Reflow soldering is available.
- 适用于高密度表面组装。Available for high density surface mounting.
- ROHS指令已对应完毕。Adapted to the ROHS directive.



主要技术性能 Specifications

项目 Items	特性 Performance Characteristics										
工作温度范围 Operating Temperature Range	-40°C ~ 85°C										
额定电压范围 Rated Voltage Range	6.3V ~ 100V										
标称容量范围 Nominal Capacitance Range	0.1 ~ 1500 μ F										
标称容量允许偏差 Nominal Capacitance Tolerance	\pm 20% (20°C , 120Hz)										
漏电流 Leakage Current	$I \leq 0.01CRVR$ or 3(μ A), 取较大者 (2分钟) CR : 标称容量 (μ F) UR : 额定电压 (V) $I \leq 0.01CRVR$ or 3(μ A) Whichever is greater (at 20°C, After 2 minutes) CR: Nominal Capacitance (μ F) UR: Rated voltages (V)										
损耗角正切 (tg δ) Dissipation Factor (Max) 20°C, 120Hz	U_r (V)	6.3	10	16	25	35	50	63	100		
	tg δ	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	\pm 20%初始值以内 Within \pm 20% of the initial value									
	损耗角正切 Dissipation Factor	\leq 200%初始规定值 Not more than 200% of the initial specified value									
	漏电流 Leakage Current	\leq 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_r (V)										
		6.3	10	16	25	35	50	63	100		
	Z(-25°C)/Z(+20°C)	< Φ 8	4	3	2	2	2	2	2	2	
		$\geq \Phi$ 8	5	4	3	2	2	2	2	2	
	Z(-40°C)/Z(+20°C)	< Φ 8	8	8	4	4	3	3	3	3	
		$\geq \Phi$ 8	10	8	6	4	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	\pm 10%初始值以内 Within \pm 10% of the initial value									
	损耗角正切 Dissipation Factor	\leq 初始规定值 Not more than the initial specified value									
	漏电流 Leakage Current	\leq 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
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 μ F	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	22	4×5.4	20	4×5.4	24				
10					4×5.4	26	4×5.4	24	4×5.4	24	5×5.4	41	6.3×7.7	50	8×10.5	77
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	96	8×10.5	100
33	4×5.4	31	4×5.4	34	5×5.4	44	5×5.4	46	6.3×5.4	67	6.3×5.4	59	6.3×7.7	94	8×10.5	117
47	4×5.4	44	5×5.4	48	5×5.4	48	6.3×5.4	63	6.3×5.4	67	6.3×5.4	65	6.3×7.7	94	8×10.5	140
100	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	10×10.5	140		
	5×5.4	52	6.3×5.4	67	6.3×5.4	75	6.3×5.4	70	6.3×7.7	94	8×10.5	140				
	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				
	6.3×5.4	89	6.3×5.4	98	6.3×5.4	98	6.3×7.7	143	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				
			8×6.5	250	8×10.5	280	10×10.5	310	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	340	10×10.5	360				
							10×10.5	340								
470	8×10.5	380	8×10.5	390	8×10.5	350	10×10.5	380								
							10×10.5	420								
1000	8×10.5	370	10×10.5	580												
	10×10.5	700														
1500	10×10.5	750														

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

SOLID
CHIP
MINIATURE
STANDARD
LOW-ESR
SWITCH-POWER
LIGHTING
SPECIAL
SNAP-IN
SCREW

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Huawei manufacturer:](#)

Other Similar products are found below :

[EA1E181ME070A00CR0](#) [FB1H6R8ME110A00CV0](#) [GF1A101MC110A00CE0](#) [GF1A221MC110A00CE0](#) [GF1A221MC110A00CV0](#)
[GF1A222MG200A00CE0](#) [GF1A222MG200B50CV016](#) [GF1C101MC110A00CV0](#) [GF1C102MF160A00CV0](#) [GF1C102MF200A00CV0](#)
[GF1C221ME110A00CE0](#) [GF1C331MF115A00CV0](#) [GF1C471MF115A00CV0](#) [GF1E101ME110A00CE0](#) [GF1E101ME110A00CV0](#)
[GF1E102MG200A00CE0](#) [GF1E102MG200A00CV0](#) [GF1E221ME110A00CV0](#) [GF1E221MF115A00CV0](#) [GF1E470MC110A00CV0](#)
[GF1E471MG125A00CV0](#) [GF1H100MC110A00CV0](#) [GF1H101MF115A00CV016](#) [GF1H220MC110A00CV016](#) [GF1H471MG200A00CV016](#)
[GF1J101MF115A00CV0](#) [GF1J221MG160A00CV0](#) [GF1V101MF115A00CV0](#) [GF1V102MI200A00CV0](#) [GF1V221MF115A00CV0](#)
[GF1V331MG125A00CV0](#) [GF1V470MC110A00CV0](#) [GF1V471MG160A00CV0](#) [GF2A331ML250A00CV0](#) [GF2A471ML300A00CV0](#)
[GF2E3R3ME110A00CV016](#) [GF2G010ME110A00CE0](#) [GF2G6R8MF160A00CV016](#) [GP1E681MF160A00CR0](#) [GP1V101ME090A00CR0](#)
[GR1C102MG125A00CV016](#) [GR1E222MI250A00CV0](#) [GR1E471MF140A00CV016](#) [GR1E472ML250A00CV016](#) [GR1H102MI250A00CE016](#)
[GR1H4R7MC110A00CV0](#) [GR1J222MM300A00CV0](#) [GR1V101ME110A00CV0](#) [GV0J391ME058000CR0](#) [HP2E471MP450S68CV0](#)