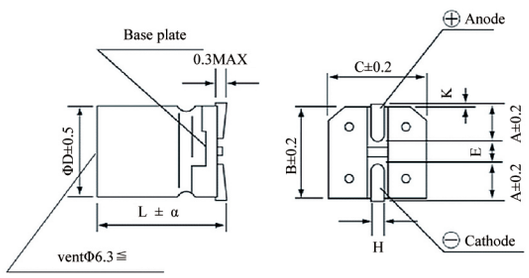
V4M

- 105°C 1000 Hours
- 3.95mm Height, Super Small SMD Type
- Available For High Density And Full Automatic Surface Mouning
- And High Temperature Reflow Welding
- RoHS Compliant
- AEC-Q200 Qualified, Please Consult Us For More Details

■ Specification

Items	Characteristics
Operation Temperature Range	-55°C～+105°C
Rated Voltage	6.3～100V.DC
Capacitance Tolerance	±20%(25±2°C 120Hz)
Leakage Current(μA)	6.3WV～100WV I≤0.01CV or 3μA whichever is greater C:rated capacitance(μF) V:rated voltage(V) 2 minutes reading
Dissipation Factor (25±2°C 120Hz)	Rated Voltage(V) 6.3 10 16 25 35 50 63 80 100 tgδ 0.38 0.32 0.20 0.16 0.14 0.14 0.16 0.16 0.16 For those with rated capacitance larger than 1000μF, when the rated capacitance is increased by 1000μF,then tgδ will be increased by 0.02
Temperature Characteristics (120Hz)	Rated Voltage(V) 6.3 10 16 25 35 50 63 80 100 Z(-40°C)/Z(20°C) 10 10 6 6 4 4 6 6 6
Endurance	After standard test time with applying the rated voltage with the rated ripple current in the oven at 105°C, the following specification shall be satisfied after 16 hours at 25±2°C. Capacitance change: within±30% of the intial value Dissipation Factor: Not more than300% of the specified value Leakage current: Not more than the specified value Load life(hours): 6.3WV～100WV: 1000hrs
Shelf Life At High Temperature	After leaving capacitors under no load at 105°C for 1000 hours, the following specification shall be satisfied at 25±2°C. Capacitance change: within±30% of the intial value Dissipation Factor: Not more than300% of the specified value Leakage current: Not more than 200% of the specified value

■ Standard Size (Unit: mm)



ΦD	L	B	C	A	H	E	K	α
4	3.95	4.3	4.3	1.8	0.75±0.10	1.0	0.5MAX	+0 -0.25
5	3.95	5.3	5.3	2.1	0.75±0.10	1.5	0.7MAX	
6.3	3.95	6.6	6.6	2.6	0.75±0.10	1.8	0.7MAX	

■ Ripple Current Correction Factor

Frequency(Hz)	50	120	1K	≥10K
Coefficient	0.70	1.00	1.37	1.50

V4M

■ Standard Size

Voltage (V)	6.3		10		16		25		35		50	
Items / Capacitance (μF)	Size D×L(mm)	Ripple Current (mA/r.m.s /105°C120Hz)	Size D×L(mm)	Ripple Current (mA/r.m.s /105°C120Hz)	Size D×L(mm)	Ripple Current (mA/r.m.s /105°C120Hz)	Size D×L(mm)	Ripple Current (mA/r.m.s /105°C120Hz)	Size D×L(mm)	Ripple Current (mA/r.m.s /105°C120Hz)	Size D×L(mm)	Ripple Current (mA/r.m.s /105°C120Hz)
1.0											4X3.95	6
2.2											4X3.95	10
3.3											4X3.95	13
4.7							4X3.95	12	4X3.95	14	5X3.95	17
5.6											4X3.95	17
10									4X3.95	20	5X3.95	23
10					4X3.95	17	5X3.95	21	5X3.95	23	6.3X3.95	27
18							4X3.95	27	5X3.95	35		
22											6.3X3.95	58
22	4X3.95	20	5X3.95	25	5X3.95	27	6.3X3.95	35	6.3X3.95	38		
33					4X3.95	34	5X3.95	44				
33	5X3.95	27	5X3.95	32	6.3X3.95	37	6.3X3.95	44				
39									6.3X3.95	68		
47			4X3.95	34								
47	5X3.95	34	6.3X3.95	42	6.3X3.95	46						
56					5X3.95	54						
68	4X3.95	34					6.3X3.95	68				
82			5X3.95	54								
100	6.3X3.95	54			6.3X3.95	68						
120	5X3.95	54										
180			6.3X3.95	68								
220	6.3X3.95	68										

Voltage (V)	63		80		100	
Items / Capacitance (μF)	Size D×L(mm)	Ripple Current (mA/r.m.s /105°C120Hz)	Size D×L(mm)	Ripple Current (mA/r.m.s /105°C120Hz)	Size D×L(mm)	Ripple Current (mA/r.m.s /105°C120Hz)
1.2					4X3.95	7
1.8			4X3.95	10		
2.2					5X3.95	10
3.3	4X3.95	13				
3.9			5X3.95	16	6.3X3.95	16
5.6	5X3.95	17				
6.8			6.3X3.95	22		
10	6.3X3.95	27				