

# ALUMINUM ELECTROLYTIC CAPACITORS

## VZS series Surface Mount Type(貼片品) , Low Impedance(低阻抗)

### FEATURES

- Designed for surface mounting on high-density circuit board
- Emboss carrier tape packing system is available for automatic insertion

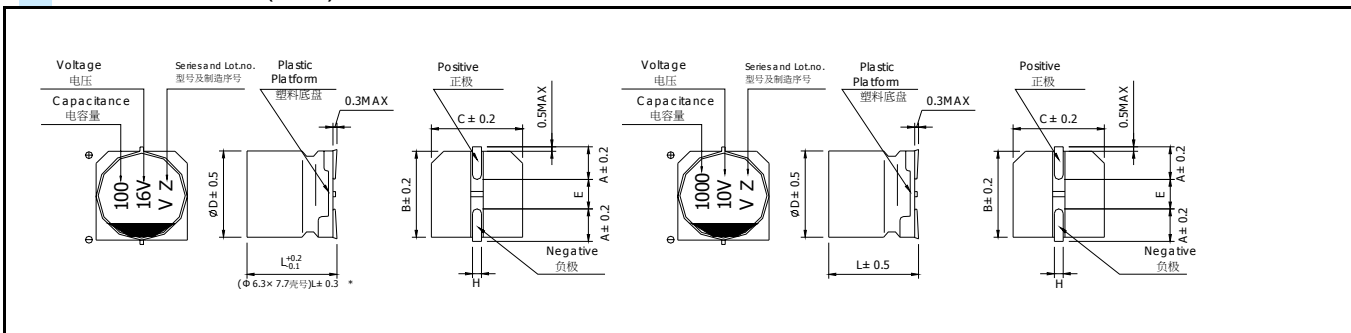
### SPECIFICATIONS

Item	Performance Characteristics						
Operating Temperature Range	-40°C ~ +105°C						
Rated Voltage Range	6.3~35W.V.						
Capacitance Range	1~1500 $\mu$ F						
Capacitance Tolerance	$\pm$ 20%(20°C, 120Hz)						
Leakage Current (MAX)	I=0.01CV or 3uA whichever is greater.(After 2 minutes at 20°C) I=Leakage Current(uA) , C=Nominal Capacitance(uF) , V=Rated Voltage(V)						
Dissipation Factor (tan $\delta$ )	When nominal capacitance is over 1000uF, tan $\delta$ shall be added 0.02 to the listed value with increase of every 1000uF						
	Rated voltage (V)	6.3	10	16	25	35	MAX (20°C 120Hz)
Low Temperature Stability Impedance Ratio	Tan $\delta$	0.26	0.19	0.16	0.14	0.12	
	Rated Voltage(V)	6.3	10	16	25	35	MAX (120Hz)
	Z(-25°C)/Z(+20°C)	2	2	2	2	2	
Z(-40°C)/Z(+20°C)	3	3	3	3	3		
Load Life	After apply rated voltage for 1000 hours at +105°C $\pm$ 2°C and then being stabilized at +20°C, capacitor shall meet the following limits.						
	Capacitance Change	within $\pm$ 20% of the initial value					
	Dissipation Factor	Not more than 200% of the specified value.					
Leakage Current	Not more than the specified value.						
Shelf Life	After storage 1000 hours at +105°C with no voltage applied and then being stabilized, they meet the specified value life characteristics listed above						
Standard	According to JIS C 5101						

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**Case size table**  
**DIMENSIONS (mm)**



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

Ripple Current (mA 105°C, 100kHz) r.m.s

Cap (μF)	6.3			10			16			25			35		
	0J			1A			1C			1E			1V		
	Size	Ripple Current	Impedance	Size	Ripple Current	Impedance	Size	Ripple Current	Impedance	Size	Ripple Current	Impedance	Size	Ripple Current	Impedance
1													4x5.4	60	3.00
2.2													4x5.4	60	3.00
3.3													4x5.4	60	3.00
4.7													4x5.4	60	3.00
6.8										4x5.4	60	3.00	5x5.4	95	1.80
10							4x5.4	60	3.00	4x5.4	60	3.00	5x5.4	95	1.80
22	4x5.4	60	3.00	4x5.4	60	3.00	5x5.4	95	1.80	5x5.4	95	1.80	6.3x5.4	140	1.00
33	5x5.4	80	2.60	5x5.4	95	1.80	6.3x5.4	115	1.30	6.3x5.4	140	1.00	6.3x7.7	150	0.80
47	5x5.4	95	1.80	6.3x5.4	115	1.30	6.3x5.4	140	1.00	6.3x5.4	140	1.00	6.3x7.7	150	0.80
68	6.3x5.4	140	1.00	6.3x5.4	115	1.30	6.3x7.7	150	0.80	8x10.5	450	0.30			
100	6.3x5.4	140	1.00	6.3x7.7	150	0.80	6.3x7.7	150	0.80	8x10.5	450	0.30	8x10.5	450	0.30
150	6.3x7.7	150	0.80	6.3x7.7	150	0.80	8x10.5	450	0.30	8x10.5	450	0.30			
220				8x10.5	450	0.30	8x10.5	450	0.30	10x10.5	670	0.15	10x10.5	670	0.15
330	8x10.5	450	0.30	10x10.5	670	0.150	10x10.5	670	0.15	10x10.5	670	0.15	10x10.5	670	0.15
470	10x10.5	670	0.15	10x10.5	670	0.15	10x10.5	670	0.15	10x10.5	670	0.15			
680	10x10.5	670	0.15	10x10.5	670	0.15	10x10.5	670	0.15						
1000	10x10.5	670	0.15	10x10.5	670	0.15									
1500	10x10.5	670	0.15												

Case Size ΦD x L(mm)