

SMD ALUMINUM ELECTROLYTIC CAPACITORS

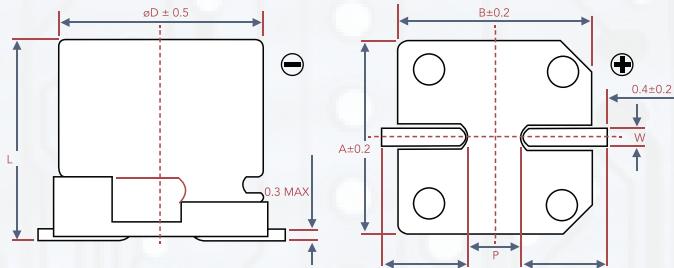
- CVC SERIES -

■ FEATURES

- $4\varnothing \sim 6.3\varnothing$, 85°C, 2,000 hours assured
- Vertical chip type miniaturized for 5.5mm high capacitors
- Low Leakage Current Lead free reflow soldering is available
- Designed for surface mounting on high density PC board
- RoHS Compliance



■ CONSTRUCTION AND DIMENSIONS



$\varnothing D$	L	A	B	C	W	$P \pm 0.2$
4	5.3±0.2	4.3	4.3	2.0	0.5 to 0.8	1.0
5	5.3±0.2	5.3	5.3	2.3	0.5 to 0.8	1.5
6.3	5.3±0.2	6.6	6.6	2.7	0.5 to 0.8	2.0

■ SPECIFICATIONS

ITEM	SPECIFICATION												
Operating Temperature Range	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$												
Capacitance Tolerance	$\pm 20\%$ (at 120Hz, 20°C)												
Leakage Current (at 20°C)	$I = 0.002CV$ or $0.5 (\mu\text{A})$ whichever is greater (after 2 minutes) Where, C= rated capacitance in μF . V= rated DC working voltage in V												
Dissipation Factor Tan δ at 120Hz, 20°C	RATED VOLTAGE	6.3	10	16	25	35	50						
	TAN δ (MAX)	0.28	0.254	0.20	0.14	0.12	0.10						
Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below.												
	RATED VOLTAGE	6.3	10	16	25	35	50						
	IMPEDANCE $Z(-25^{\circ}\text{C}) / Z(+20^{\circ}\text{C})$	3	3	2	2	2	2						
	RATIO $Z(-40^{\circ}\text{C}) / Z(+20^{\circ}\text{C})$	8	5	4	3	3	3						
Load Life Test	TEST TIME	2,000 Hrs											
	CAPACITANCE CHANGE	Within $\pm 20\%$ of initial value											
	DISSIPATION FACTOR	Less than 200% of specified value											
	LEAKAGE CURRENT	Within specified value											
*The above specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied for 2,000 hrs at 85°C.													
Shelf Life Test	Test time: 1,000 hrs; other items are the same as those for the load life test												
Ripple Current & Frequency Multipliers	V.D.C. (V)	FREQ (Hz)	50	120	1K	10K up							
	Under 16		0.8	1.0	1.15	1.25							
	25 ~ 35		0.8	1.0	1.25	1.40							
	50		0.8	1.0	1.35	1.50							
Other Standards	JIS C 5101-1, -18												

■ DIMENSION & PERMISSIBLE RIPPLE CURRENT

CONTENTS μF	VDC	6.3V (OJ)		10V (1A)		16V (1A)		25V (IE)		35V (IV)		50V (1H)		
		$\varnothing DxL$	mA											
0.1	0R1												4x5.3	3
0.22	R22												4x5.3	5
0.33	R33												4x5.3	6
0.47	R47												4x5.3	7
1	0.10												4x5.3	10
2.2	2R2												4x5.3	15
3.3	3R3												4x5.3	19
4.7	47												4x5.3	26
10	100												4x5.3	34
22	220	4x5.3	31	5x5.3	39	5x5.3	44	6.3x5.3	55	6.3x5.3	59		6.3x5.3	44
33	330	5x5.3	44	5x5.3	48	6.3x5.3	63	6.3x5.3	67					
47	470	5x5.3	52	6.3x5.3	67	6.3x5.3	75							
100	101	6.3x5.3	89	6.3x5.3	98									