

SMD ALUMINUM ELECTROLYTIC CAPACITORS

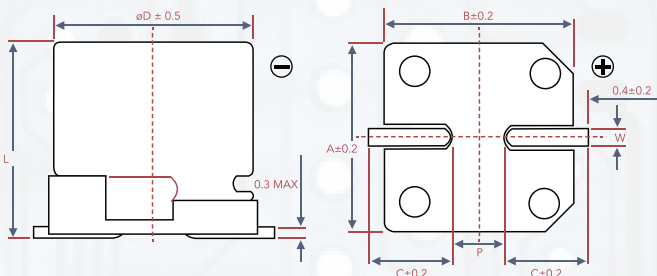
- CVZ SERIES -

FEATURES

- 4Ø~6.3Ø, 105°C, 1,000 hours assured
- Low impedance capacitors
- Designed for surface mounting on high density PC board
- RoHS Compliance



CONSTRUCTION AND DIMENSIONS



LEAD SPACING AND DIAMETER

øD	L	A	B	C	W	P ± 0.2
4	5.3±0.2	4.3	4.3	2.0	0.5~0.8	1.0
5	5.3±0.2	5.3	5.3	2.3	0.5~0.8	1.5
6.3	5.3±0.2	6.6	6.6	2.7	0.5~0.8	2.0
6.3	7.7±0.3	6.6	6.6	2.7	0.5~0.8	2.0

SPECIFICATION

ITEM	SPECIFICATION																					
Operating Temperature Range	-55°C ~ +105°C																					
Capacitance Tolerance	±20% (at 120Hz, 20°C)																					
Leakage Current (at 20°C)	I = 0.01CV or 3 (µA) 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	<table border="1"> <thead> <tr> <th>RATED VOLTAGE</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>Tan δ (max)</td> <td>0.28</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> </tr> </tbody> </table>	RATED VOLTAGE	6.3	10	16	25	35	50	Tan δ (max)	0.28	0.24	0.20	0.16	0.14	0.12							
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Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below. <table border="1"> <thead> <tr> <th>RATED VOLTAGE</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>IMPEDANCE RATIO Z(-25°C) / Z(+20°C)</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>IMPEDANCE RATIO Z(-40°C) / Z(+20°C)</td> <td>8</td> <td>5</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> </tr> </tbody> </table>	RATED VOLTAGE	6.3	10	16	25	35	50	IMPEDANCE RATIO Z(-25°C) / Z(+20°C)	4	3	2	2	2	2	IMPEDANCE RATIO Z(-40°C) / Z(+20°C)	8	5	4	3	3	3
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IMPEDANCE RATIO Z(-40°C) / Z(+20°C)	8	5	4	3	3	3																
Load Life Test	TEST TIME: 1,000 Hrs																					
	CAPACITANCE CHANGE: Within ±25% 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 1,000 hrs at 105°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																						
Other Standards	JIS C 5101-1, -18																					

DIMENSION & PERMISSIBLE RIPPLE CURRENT

Dimension: øDxL (mm)
 Ripple Current: mA/rms at 100 Hz, 105°C
 Impedance: Ω / at 100k Hz, 20°C

VDC	6.3V (OJ)			10V (1A)			16V (1C)			25V (1E)			35V (1V)			50V (1H)			
	ØDxL	Imp.	mA	ØDxL	Imp.	mA	ØDxL	Imp.	mA	ØDxL	Imp.	mA	ØDxL	Imp.	mA	ØDxL	Imp.	mA	
1.0	0.10															4x5.3	5.0	30	
2.2	2R2															4x5.3	5.0	30	
3.3	3R3															4x5.3	5.0	30	
4.7	4R7								4x5.3	3.20	65	4x5.3	3.20	65	5x5.3	3.0	50		
10	100			4x5.3	3.20	65	4x5.3	3.20	65	5x5.3	1.50	110	5x5.3	1.50	110	6.3x5.3	2.0	70	
22	220	4x5.3	3.20	65	5x5.3	1.50	110	5x5.3	1.50	110	6.3x5.3	0.85	170	6.3x5.3	0.85	170	6.3x5.3	2.0	70
33	330	5x5.3	1.50	110	5x5.3	1.50	110	6.3x5.3	0.85	170	6.3x5.3	0.85	170	6.3x5.3	0.85	170	6.3x7.7	1.0	170
47	470	5x5.3	1.50	110	6.3x5.3	0.85	170	6.3x5.3	0.85	170	6.3x5.3	0.85	170	6.3x7.7	0.50	255			
100	101	6.3x5.3	0.85	170	6.3x5.3	0.85	170	6.3x5.3	0.85	170	6.3x7.7	0.50	255						
150	151	6.3x5.7	0.50	255	6.3x7.7	0.50	255	6.3x7.7	0.50	255									
220	221	6.3x5.7	0.50	255	6.3x7.7	0.50	255	6.3x7.7	0.50	255									