

SMD ALUMINUM ELECTROLYTIC CAPACITORS

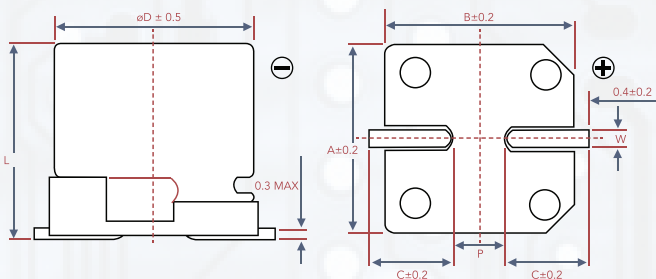
- CVY SERIES -

FEATURES

- 4Ø~10Ø, 105°C, 2,000 hours assured
- Vertical chip type miniaturized
- 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	5.7±0.3	4.3	4.3	2.0	0.5~0.8	1.0
5	5.7±0.3	5.3	5.3	2.3	0.5~0.8	1.5
6.3	5.7±0.3	6.3	6.3	2.7	0.5~0.8	2.0
8	10±0.5	8.4	8.4	3.0	0.7~1.1	3.1
10	10±0.5	10.4	10.4	3.3	0.7~1.1	4.7
10	10.3±0.5	10.4	10.4	3.3	0.7~1.1	4.7

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> </tr> </thead> <tbody> <tr> <td>Tan δ</td> <td>0.30</td> <td>0.26</td> <td>0.22</td> <td>0.16</td> <td>0.13</td> </tr> </tbody> </table>	RATED VOLTAGE	6.3	10	16	25	35	Tan δ	0.30	0.26	0.22	0.16	0.13								
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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> </tr> </thead> <tbody> <tr> <td>IMPEDANCE RATIO</td> <td>Z(-25°C) / Z(+20°C)</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td></td> <td>Z(-55°C) / Z(+20°C)</td> <td>8</td> <td>5</td> <td>4</td> <td>3</td> <td>3</td> </tr> </tbody> </table>	RATED VOLTAGE	6.3	10	16	25	35	IMPEDANCE RATIO	Z(-25°C) / Z(+20°C)	4	3	2	2	2		Z(-55°C) / Z(+20°C)	8	5	4	3	3
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Shelf Life Test	Test Time: 1,000 hrs; other items are the same as those for the load life test																				
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)			
	CONTENTS	ØDxL	Imp.	mA	ØDxL	Imp.	mA	ØDxL	Imp.	mA	ØDxL	Imp.	mA	ØDxL	Imp.	mA
4.7	4R7										4x5.7	3.2	65	4x5.7	3.2	65
10	100						4x5.7	3.2	65	5x5.7	1.5	110	5x5.7	1.5	110	
22	220						5x5.7	1.5	110	6.3x5.7	0.85	170	6.3x5.7	0.85	170	
33	330	4x5.7	3.2	65	5x5.7	1.5	110	6.3x5.7	0.85	170	6.3x5.7	0.85	170	6.3x5.7	0.85	170
47	470	5x5.7	1.5	110	6.3x5.7	0.85	170	6.3x5.7	0.85	170	6.3x5.7	0.85	170	8x10	0.45	450
100	101	6.3x5.7	0.85	170	6.3x5.7	0.85	170	8x10	0.45	450	8x10	0.45	450	8x10	0.45	450
150	151	6.3x5.7	0.85	170	6.3x5.7	0.85	170	8x10	0.45	450	8x10	0.45	450	8x10	0.45	450
220	221	6.3x5.7	0.85	170	8x10	0.45	450	8x10	0.25	670	8x10	0.45	450	10x10	0.25	670
330	331	8x10	0.45	450	8x10	0.45	450	8x10	0.45	450	10x10.3	0.25	670			
470	471	8x10	0.45	450	8x10	0.45	450	10x10	0.25	670						
820	821	10x10	0.25	670	10x10	0.25	670									
1000	102	10x10	0.25	670												