

CDVS SERIES



ALUMINUM ELECTROLYTIC CAPACITORS

- For high density surface mounting, 85°C, 2000hours guaranteed
- Carrier taping supplied
- Reflow soldering is available



SPECIFICATIONS

Item	Characteristics																																																					
Temperature Range(°C)	-40~+85																																																					
Rated Voltage Range (V)	4V~ 100																																																					
Nominal capacitance range (μF)	0.1 ~ 1500μF																																																					
Leakage Current (μA)	$I \leq 0.01CV$ or 3 (μA) Whichever is greater(at 20°C, After 2 minutes) C: Nominal Capacitance (μF) V: Rated voltages (V)																																																					
Capacitance Tolerance(20°C,120Hz)	±20%																																																					
Dissipation Factor(20°C,120Hz)	<table border="1"> <tr> <td>Rated voltage (v)</td> <td>4</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>100</td> </tr> <tr> <td>tanδ</td> <td>0.35</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> <td>0.12</td> <td>0.10</td> </tr> </table>	Rated voltage (v)	4	6.3	10	16	25	35	50	63	100	tanδ	0.35	0.28	0.24	0.20	0.16	0.14	0.12	0.12	0.10																																	
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Shelf Life(+85°C)	After storage for 1000 hours at +85°C, Rated voltage to be applied for 30 minutes, the capacitors shall meet the requirement of load life above																																																					
Resistance to Soldering Heat	<p>The capacitors shall be kept on the hot plate maintained at 250°C for 30 seconds. After removing from the hot plate and restored at room temperature, they meet the following requirement.</p> <table border="1"> <tr> <td>Leakage current</td> <td>Not more than the specified value</td> </tr> <tr> <td>Capacitance change</td> <td>within ±10% of the initial value</td> </tr> <tr> <td>Dissipation factor</td> <td>Not more than the specified value</td> </tr> </table>	Leakage current	Not more than the specified value	Capacitance change	within ±10% of the initial value	Dissipation factor	Not more than the specified value																																															
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DIMENSIONS

MM

Lead spacing and diameter

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

■ STANDARD RATINGS

WV (v)	4		6.3		10		16		25		35		50		63		100	
Cap(μF)	DxL mm	Ripple (mA)	DxL mm	Ripple (mA)	DxL mm	Ripple (mA)	DxL mm	Ripple (mA)	DxL mm	Ripple (mA)	DxL mm	Ripple (mA)	DxL mm	Ripple (mA)	DxL mm	Ripple (mA)	DxL mm	Ripple (mA)
0.1	-	-	-	-	-	-	-	-	-	-	-	-	4x5.4	1.0	4x5.4	1.0	-	-
0.22	-	-	-	-	-	-	-	-	-	-	-	-	4x5.4	2.0	4x5.4	2.3	-	-
0.33	-	-	-	-	-	-	-	-	-	-	-	-	4x5.4	2.8	4x5.4	3.5	-	-
0.47	-	-	-	-	-	-	-	-	-	-	-	-	4x5.4	4.0	4x5.4	5.0	-	-
1.0	-	-	-	-	-	-	-	-	-	-	-	-	4x5.4	8.4	4x5.4	10	-	-
2.2	-	-	-	-	-	-	-	-	-	-	-	-	4x5.4	13	4x5.4	15	-	-
3.3	-	-	-	-	-	-	-	-	-	-	-	-	4x5.4	17	4x5.4	20	6.3x7.7	28
4.7	-	-	-	-	-	-	-	-	4x5.4	16	4x5.4	18	4x5.4	18	4x5.4	23	6.3x7.7	35
													5x5.4	20				
10	-	-	-	-	-	-	4x5.4	23	4x5.4	24	4x5.4	24	5x5.4	30	6.3x5.4	34	6.3x7.7	50
									5x5.4	27	5x5.4	29	6.3x5.4	33				
22	-	-	4x5.4	28	4x5.4	30	4x5.4	30	5x5.4	38	5x5.4	39	6.3x5.4	43	6.3x7.7	70	8x10.5	120
					5x5.4	33	5x5.4	37	6.3x5.4	42	6.3x5.4	46						
33	4x5.4	28	4x5.4	34	4x5.4	34	5x5.4	44	5x5.4	46	6.3x5.4	53	6.3x7.7	85	8x10.5	160	10x10.5	190
			5x5.4	37	5x5.4	41	6.3x5.4	49	6.3x5.4	52								
47	4x5.4	33	4x5.4	40	5x5.4	47	5x5.4	52	6.3x5.4	60	6.3x7.7	70	6.3x7.7	90	8x10.5	170	-	-
			5x5.4	45	6.3x5.4	52	6.3x5.4	58					8x10.5	140				
56	5x5.4	42	5x5.4	46	5x5.4	50	5x5.4	57	6.3x7.7	65	6.3x7.7	80	8x10.5	150	8x10.5	230	-	-
			6.3x5.4	52	6.3x5.4	57	6.3x5.4	63										
100	5x5.4	56	5x5.4	47	5x5.4	54	6.3x5.4	86	6.3x7.7	130	6.3x7.7	120	8x10.5	181	8x10.5	280	-	-
			6.3x5.4	70	6.3x5.4	76					8x10.5	175	10x10.5	195				
150	6.3x5.4	79	6.3x5.4	71	6.3x7.7	76	6.3x7.7	135	8x10.5	192	8x10.5	214	10x10.5	238	-	-	-	-
220	6.3x5.4	96	6.3x7.7	95	6.3x7.7	150	6.3x7.7	150	8x10.5	232	8x10.5	246	10x10.5	289	-	-	-	-
							8x10.5	215	10x10.5	250	10x10.5	265						
330	6.3x7.7	152	6.3x7.7	150	8x10.5	240	8x10.5	270	8x10.5	284	10x10.5	324	-	-	-	-	-	-
										10x10.5	305							
470	6.3x7.7	200	8x10.5	265	8x10.5	290	8x10.5	307	10x10.5	393	-	-	-	-	-	-	-	-
								10x10.5	330									
680	8x10.5	284	8x10.5	318	10x10.5	374	10x10.5	396	-	-	-	-	-	-	-	-	-	-
1000	8x10.5	344	8x10.5	372	10x10.5	454	-	-	-	-	-	-	-	-	-	-	-	-
			10x10.5	400														
1500	10x10.5	347	10x10.5	489	-	-	-	-	-	-	-	-	-	-	-	-	-	-

■ Ripple Current: 85°C, 120Hz

The specific capacitance and case size are available on request.