

CDVS SERIES



ALUMINUM ELECTROLYTIC CAPACITORS

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

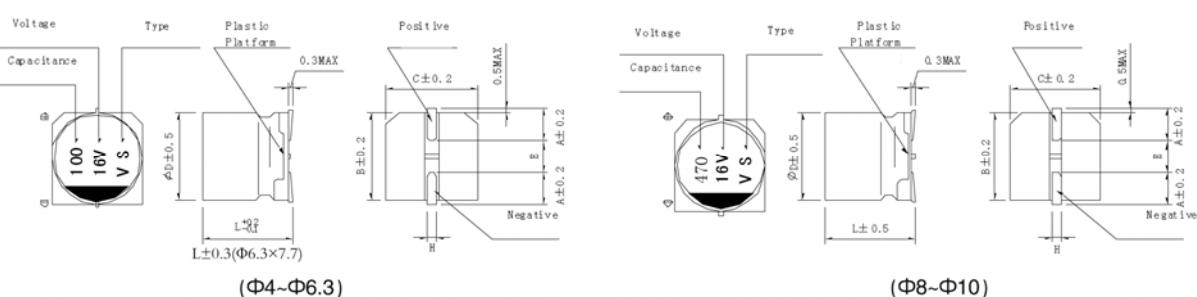


SPECIFICATIONS

Item	Characteristics																		
Temperature Range(°C)	-40~+85																		
Rated Voltage Range (V)	4V~100																		
Nominal capacitance range (μ F)	0.1 ~ 1500 μ F																		
Leakage Current (μ A)	$I \leq 0.01CV$ or 3 (μ A) Whichever is greater(at 20°C, After 2 minutes) C: Nominal Capacitance (μ F) V: Rated voltages (V)																		
Capacitance Tolerance(20°C,120Hz)	$\pm 20\%$																		
Dissipation Factor(20°C,120Hz)	Rated voltage (v)	4	6.3	10	16	25	35	50	63	100									
	$\tan\delta$	0.35	0.28	0.24	0.20	0.16	0.14	0.12	0.12	0.10									
Temperature Stability(120Hz)	Rated voltage (v)			4	6.3	10	16	25	35	50									
	Impedance ratio	Z-25°C/Z+20°C	<Φ8	7	4	3	2	2	2	2									
		Z-40°C/Z+20°C	$\geq\Phi8$	7	5	4	3	2	2	2									
		<Φ8	15	8	8	4	4	3	3	3									
		$\geq\Phi8$	15	10	8	6	4	3	3	3									
Load Life(+85°C)	Time	2000hours																	
	Leakage current	Not more than the specified value																	
	Capacitance change	within $\pm 20\%$ of the initial value($\leq 16V$: within $\pm 25\%$ of the initial value)																	
	Dissipation factor	Not more than 200% of the specified value																	
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	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.																		
	Leakage current	Not more than the specified value																	
	Capacitance change	within $\pm 10\%$ of the initial value																	
	Dissipation factor	Not more than the specified value																	

DIMENSIONS

MM



Lead spacing and diameter

	4 x 5.4	5 x 5.4	6.3 x 5.4	6.3 x 7.7	8x 10.5	10 x 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		

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■ 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	-	-	-	-	-	-	-	-	-	-	-	4×5.4	1.0	4×5.4	1.0	-	-	-	-	
0.22	-	-	-	-	-	-	-	-	-	-	-	4×5.4	2.0	4×5.4	2.3	-	-	-	-	
0.33	-	-	-	-	-	-	-	-	-	-	-	4×5.4	2.8	4×5.4	3.5	-	-	-	-	
0.47	-	-	-	-	-	-	-	-	-	-	-	4×5.4	4.0	4×5.4	5.0	-	-	-	-	
1.0	-	-	-	-	-	-	-	-	-	-	-	4×5.4	8.4	4×5.4	10	-	-	-	-	
2.2	-	-	-	-	-	-	-	-	-	-	-	4×5.4	13	4×5.4	15	-	-	-	-	
3.3	-	-	-	-	-	-	-	-	-	-	-	4×5.4	17	4×5.4	20	6.3×7.7	28	-	-	
4.7	-	-	-	-	-	-	-	-	4×5.4	16	4×5.4	18	4×5.4	18	4×5.4	23	6.3×7.7	35	5×5.4	20
10	-	-	-	-	-	-	4×5.4	23	4×5.4	24	4×5.4	24	5×5.4	30	6.3×5.4	34	6.3×7.7	50	5×5.4	29
22	-	-	4×5.4	28	4×5.4	30	4×5.4	30	5×5.4	38	5×5.4	39	6.3×5.4	43	6.3×7.7	70	8×10.5	120	5×5.4	42
33	4×5.4	28	4×5.4	34	4×5.4	34	5×5.4	44	5×5.4	46	6.3×5.4	53	6.3×7.7	85	8×10.5	160	10×10.5	190	5×5.4	52
47	4×5.4	33	4×5.4	40	5×5.4	47	5×5.4	52	6.3×5.4	60	6.3×7.7	70	6.3×7.7	90	8×10.5	170	-	-	8×10.5	140
56	5×5.4	42	5×5.4	46	5×5.4	50	5×5.4	57	6.3×7.7	65	6.3×7.7	80	8×10.5	150	8×10.5	230	-	-	8×10.5	150
6.3×5.4	52	6.3×5.4	57	6.3×5.4	63															
100	5×5.4	56	5×5.4	47	5×5.4	54	6.3×5.4	86	6.3×7.7	130	6.3×7.7	120	8×10.5	181.	8×10.5	280	-	-	8×10.5	175
150	6.3×5.4	79	6.3×5.4	71	6.3×7.7	76	6.3×7.7	135	8×10.5	192	8×10.5	214	10×10.5	238	-	-	-	-	10×10.5	195
220	6.3×5.4	96	6.3×7.7	95	6.3×7.7	150	6.3×7.7	150	8×10.5	232	8×10.5	246	10×10.5	289	-	-	-	-	10×10.5	265
330	6.3×7.7	152	6.3×7.7	150	8×10.5	240	8×10.5	270	8×10.5	284	10×10.5	324	-	-	-	-	-	-	10×10.5	305
470	6.3×7.7	200	8×10.5	265	8×10.5	290	8×10.5	307	10×10.5	393	-	-	-	-	-	-	-	-	10×10.5	330
680	8×10.5	284	8×10.5	318	10×10.5	374	10×10.5	396	-	-	-	-	-	-	-	-	-	-	-	-
1000	8×10.5	344	8×10.5	372	10×10.5	454	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1500	10×10.5	347	10×10.5	489	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

■ Ripple Current: 85°C, 120Hz

The specific capacitance and case size are available on request.