CDVB SERIES

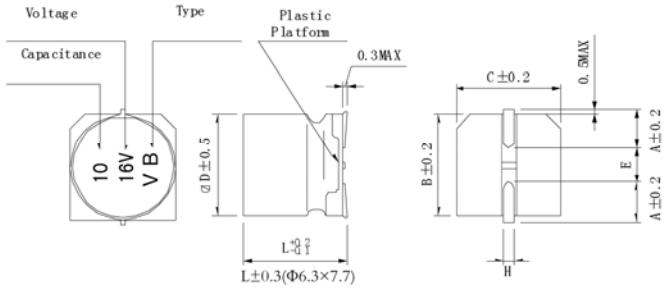
ALUMINUM ELECTROLYTIC CAPACITORS

- For high density surface mounting, 85℃,2000hours guaranteed
- Carrier taping supplied
- Bi-polar Type
- Reflow soldering is available

■ SPECIFICATIONS

Item	Characteristics
Temperature Range(℃)	-40~+85
Rated Voltage Range (V)	6.3~50
Nominal capacitance range (μF)	0.1~100
Leakage current (μA)	I≤0.05CV or 10 whichever is greater (at 20℃,after 2 minutes) C: Nominal Capacitance (μF) V: Rated Voltage (v)
Capacitance Tolerance(20℃,120Hz)	±20%
Dissipation Factor(20℃,120Hz)	Rated voltage (v) | 6.3 | 10 | 16 | 25 | 35 | 50 tanδ | 0.26 | 0.22 | 0.20 | 0.20 | 0.20 | 0.18
Temperature Stability(120Hz)	Rated voltage (v) | 6.3 | 10 | 16 | 25 | 35 | 50 Impedance Ratio Z-25℃/Z+20℃ | 4 | 3 | 2 | 2 | 2 | 2 Z-40℃/Z+20℃ | 8 | 6 | 4 | 4 | 3 | 3
Load Life(+85℃)	Time | 1000hours(with polarity inverted for every 250 hours) Leakage current | Not more than the specified value Capacitance change | within ±20% of the initial value Dissipation factor | Not more than 200% of the specified value
Shelf Life(+85℃)	After storage for 1000 hours at +85℃, 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℃ 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 ±10% of the initial value Dissipation factor | Not more than the specified value

■ DIMENSIONS MM



■ MULTIPLIER FOR RIPPLE CURRENT

Lead spacing and diameter

	4 × 5.4	5 × 5.4	6.3 × 5.4	6.3 × 7.7
A	1.8	2.1	2.4	2.4
B	4.3	5.3	6.6	6.6
C	4.3	5.3	6.6	6.6
E	1.0	1.3	2.2	2.2
L	5.4	5.4	5.4	7.7
H	0.5 ~ 0.8			

Frequency coefficient

Freq (Hz)	50	120	300	1K	⩾ 10K
Coefficient	0.7	1.00	1.17	1.36	1.50

■ STANDARD RATINGS

WV (v)	6.3		10		16		25		35		50	
Cap(μF)	D×L mm	Ripple (mA)	D×L mm	Ripple (mA)	D×L mm	Ripple (mA)	D×L mm	Ripple (mA)	D×L mm	Ripple (mA)	D×L mm	Ripple (mA)
0.1	-	-	-	-	-	-	-	-	-	-	4×5.4	1.0
0.22	-	-	-	-	-	-	-	-	-	-	4×5.4	2.0
0.33	-	-	-	-	-	-	-	-	-	-	4×5.4	2.8
0.47	-	-	-	-	-	-	-	-	-	-	4×5.4	4.0
1.0	-	-	-	-	-	-	-	-	-	-	4×5.4	8.4
2.2	-	-	-	-	-	-	-	-	4×5.4	8.4	5×5.4	13
3.3	-	-	-	-	-	-	4×5.4	12	5×5.4	16	5×5.4	17
4.7	-	-	-	-	4×5.4	12	5×5.4	16	5×5.4	18	6.3×5.4	20
10	-	-	4×5.4	17	5×5.4	23	6.3×5.4	27	6.3×5.4	29	6.3×7.7	36
22	5×5.4	28	6.3×5.4	33	6.3×5.4	37	6.3×7.7	50	6.3×7.7	54	-	-
33	6.3×5.4	37	6.3×5.4	41	6.3×5.4	49	6.3×7.7	61	-	-	-	-
47	6.3×5.4	45	6.3×7.7	61	6.3×7.7	75	-	-	-	-	-	-
100	6.3×7.7	82	-	-	-	-	-	-	-	-	-	-

■ Ripple Current: 85℃, 120Hz

The specific capacitance and case size are available on request.