

# CDVZ SERIES



## ALUMINUM ELECTROLYTIC CAPACITORS

- For high density surface mounting, 105°C, 1000 hours guaranteed
- Carrier taping supplied
- Low impedance
- Reflow soldering is available



### SPECIFICATIONS

Item	Characteristics					
Temperature Range(°C)	-55~+105					
Rated Voltage Range (V)	6.3~35					
Nominal capacitance range (μF)	1~220μF					
Leakage Current (μA)	$I \leq 0.01CV$ or 3 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)	Rated voltage (v)	6.3	10	16	25	35
	tanδ	0.22	0.19	0.16	0.14	0.12
Temperature Stability(120Hz)	Rated voltage (v)	6.3	10	16	25	35
	Impedance ratio	Z-25°C/Z+20°C	2	2	2	2
Load Life(+105°C)	Time	1000hours				
	Leakage current	Not more than the specified value				
	Capacitance change	within ±20% of the initial value(≤16V : within ±25% of the initial value)				
	Dissipation factor	Not more than 300% of the specified value				
Shelf Life(+105°C)	After storage for 1000 hours at +105°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 ±10% of the initial value				
	Dissipation factor	Not more than the specified value				

### DIMENSIONS

### MM

#### 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	0.64	0.5	0.64	0.83	1.00

## ■ STANDARD RATINGS

WV	6.3			10			16			25			35		
	Size	Impedance	Ripple	Size	Impedance	Ripple	Size	Impedance	Ripple	Size	Impedance	Ripple	Size	Impedance	Ripple
	DxL(mm)	$\Omega$	(mA)	DxL(mm)	$\Omega$	(mA)	DxL(mm)	$\Omega$	(mA)	DxL(mm)	$\Omega$	(mA)	DxL(mm)	$\Omega$	(mA)
1.0	-	-	-	-	-	-	-	-	-	-	-	-	4X5.4	5.0	50
1.5	-	-	-	-	-	-	-	-	-	-	-	-	4X5.4	5.0	50
2.2	-	-	-	-	-	-	-	-	-	-	-	-	4X5.4	5.0	50
3.3	-	-	-	-	-	-	-	-	-	-	-	-	4X5.4	5.0	50
4.7	-	-	-	-	-	-	-	-	-	4x5.4	5.0	50	4X5.4	5.0	50
6.8	-	-	-	-	-	-	-	-	-	4x5.4	5.0	50	5x5.4	2.6	80
10	-	-	-	-	-	-	4x5.4	5.0	50	5x5.4	2.6	80	5x5.4	2.6	80
15	-	-	-	-	-	-	5x5.4	2.6	80	6.3x5.4	1.3	115	6.3x5.4	1.3	115
22	4x5.4	5.0	50	5x5.4	2.6	80	5x5.4	2.6	80	6.3x5.4	1.3	115	6.3x5.4	1.3	115
33	5x5.4	2.6	80	5x5.4	2.6	80	6.3x5.4	1.3	115	6.3x5.4	1.3	115	6.3x7.7	0.8	150
47	5x5.4	2.6	80	6.3x5.4	1.3	115	6.3x5.4	1.3	115	6.3x7.7	0.8	150	6.3x7.7	0.8	150
68	6.3x5.4	1.3	115	6.3x5.4	1.3	115	6.3x7.7	0.8	150	6.3x7.7	0.8	150	-	-	-
100	6.3x5.4	1.3	115	6.3x7.7	0.8	150	6.3x7.7	0.8	150	-	-	-	-	-	-
150	6.3x7.7	0.8	150	6.3x7.7	0.8	150	-	-	-	-	-	-	-	-	-
220	6.3x7.7	0.8	150	-	-	-	-	-	-	-	-	-	-	-	-

Ripple Current: 105°C, 120Hz; Low impedance : 20°C 100KHz

The specific capacitance and case size are available on request.