

# CE-BD Series

Miniature Low Profile

4.5mm Height

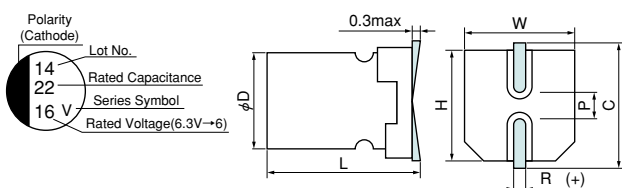


- Solvent proof (within 2 minutes)

## Specifications

Items	Condition	Specifications								
Rated voltage (V)	—	4	6.3	10	16	25	35	50		
Surge voltage (V)	Room temperature	5.0	8.0	13	20	32	44	63		
Category temperature range (°C)	—	-40 to +85								
Capacitance tolerance (%)	120Hz/20°C	M: ±20								
Dissipation Factor (tan δ)	120Hz/20°C	0.40	0.30	0.24	0.20	0.16	0.14	0.12		
Leakage current (LC)	μA/after 2minutes (max)	The greater value of either 0.01CV or 3								
Impedance ratio at low temperature	Based the value at 120Hz, +20°C	-25°C Z/Z <sub>20°C</sub>	7	4	3	2	2	2	2	
		-40°C Z/Z <sub>20°C</sub>	15	10	8	6	4	4	4	
Endurance	85°C, 1,000hrs. rated voltage applied (With the rated ripple current)	ΔC/C	Within ±25% of the initial value							
		tan δ	≤ 2 times the initial specified value							
		LC	≤ The initial specified value							

## Marking, Dimensions



(Unit : mm)

D <sup>+0.5max</sup>	L <sup>+0.1 -0.2</sup>	W <sup>±0.2</sup>	H <sup>±0.2</sup>	C <sup>±0.2</sup>	R	P <sup>±0.2</sup>
4	4.5	4.3	4.3	5.0	0.5 to 0.8	1.0
5	4.5	5.3	5.3	6.0	0.5 to 0.8	1.4
6.3	4.5	6.6	6.6	7.3	0.5 to 0.8	2.2

## Size List, Rated Ripple Current

μF \ V	4	6.3	10	16	25	35	50
0.47							4x4.5   4.0
1.0							4x4.5   8.4
2.2							4x4.5   14
3.3							4x4.5   17
4.7					4x4.5   17	4x4.5   18	5x4.5   21
10				4x4.5   23	5x4.5   27	5x4.5   29	6.3x4.5   33
22		4x4.5   28	5x4.5   33	5x4.5   37	6.3x4.5   47	6.3x4.5   49	
33	4x4.5   28	5x4.5   37	5x4.5   41	6.3x4.5   51	6.3x4.5   57		
47	4x4.5   33	5x4.5   45	6.3x4.5   53	6.3x4.5   61			
100	5x4.5   56	6.3x4.5   70	6.3x4.5   74				
220	6.3x4.5   96						

Please refer to page 15 for the ripple current frequency coefficient.

Rated ripple current  
mA rms (120Hz, 85°C)

Case size: φDxL (mm)

## Model No.

