

# CE-LD Series

4.5mm Height

Long Life



- 105°C 2,000 to 3,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

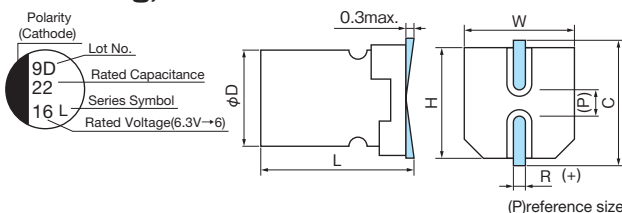
**CE-LD**

 ↑ 105°C  
 CE-BD (P.39)

## Specifications

Items	Condition	Specifications							
Rated voltage (V)	—	6.3	10	16	25	35	50		
Surge voltage (V)	Room temperature	8.0	13	20	32	44	63		
Category temperature range (°C)	—	-40 to +105							
Capacitance tolerance (%)	120Hz/20°C	M : ±20							
Dissipation Factor (tan δ)	tanδ (max.) 120Hz/20°C	0.35	0.30	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 on the value at 120Hz, +20°C	-25°C Z/Z <sub>20°C</sub>	4	3	2	2	2	2	
		-40°C Z/Z <sub>20°C</sub>	10	8	6	4	4	4	
		Test	φ4 to φ5 : 2,000hours, φ6.3 : 3,000hours						
		ΔC/C	Within ±30% of the initial value						
Endurance	105°C rated voltage applied (With the rated ripple current)	tanδ	Less than 300% of the specified value						
		LC	Less than the specified value						

## Marking, Dimensions



(Unit : mm)

D <sup>+0.5</sup>	L <sup>+0.1</sup> <sub>-0.2</sub>	W <sup>+0.2</sup>	H <sup>+0.2</sup>	C <sup>+0.2</sup>	R	P
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, Rated Ripple Current

μF \ V	6.3	10	16	25	35	50
0.47						4×4.5 2.8
1.0						4×4.5 5.9
2.2						4×4.5 10
3.3						4×4.5 12
4.7				4×4.5 12	4×4.5 13	5×4.5 15
10			4×4.5 17	5×4.5 19	5×4.5 24	6.3×4.5 24
22	4×4.5 20	5×4.5 24	5×4.5 26	6.3×4.5 33	6.3×4.5 35	
33	5×4.5 26	5×4.5 29	6.3×4.5 36	6.3×4.5 40		
47	5×4.5 32	6.3×4.5 38	6.3×4.5 43	6.3×4.5 44		
100	6.3×4.5 49	6.3×4.5 52				

Please refer to page 14 for ripple current frequency coefficients.

Case size: φD×L (mm)

 Rated ripple current  
 mA rms (120Hz, 105°C)

## Part number

