

CE-LL Series

Long Life

Low Impedance

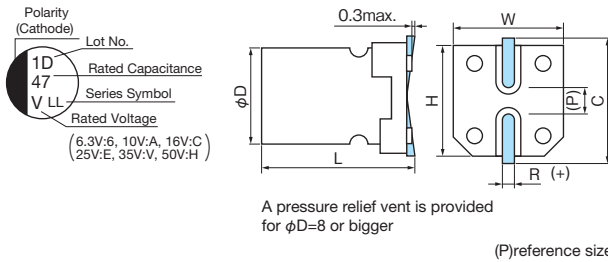


- 105°C 7,000 to 10,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

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	0.32	0.28	0.26	0.16	0.14	0.14
Leakage current (LC)	μA/after 2minutes (max.), 20°C	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 _{20°C}	4	3	2	2
Endurance	105°C rated voltage applied (With the rated ripple current)	Test	φD ≤ 6.3 : 7,000hours, φD ≥ 8 : 10,000hours				
		ΔC/C	Within ±30% of the initial value				
		tanδ	Less than 300% of the specified value				
		LC	Less than the specified value				

Marking, Dimensions



(Unit : mm)

D ^{±0.5}	L ^{±0.3}	W ^{±0.2}	H ^{±0.2}	C ^{±0.2}	R	P
5	7.0	5.3	5.3	6.0	0.5 to 0.8	1.4
6.3	7.0	6.6	6.6	7.3	0.5 to 0.8	2.2
6.3	8.4	6.6	6.6	7.3	0.5 to 0.8	2.2
8	10.2	8.3	8.3	9.0	0.7 to 1.0	3.2
10	10.2	10.3	10.3	11.0	1.0 to 1.4	4.6

Size, Impedance, Rated Ripple Current

μF \ V	6.3	10	16	25	35	50
10					5×7.0 2.2 95	
22			5×7.0 2.2 95	5×7.0 2.2 95	5×7.0 2.2 95	6.3×8.4 1.8 100
33		5×7.0 2.2 95		6.3×7.0 1.1 140	6.3×8.4 1.0 230	8×10.2 0.53 350
47	5×7.0 2.2 95		6.3×7.0 1.1 140	6.3×7.0 1.1 140	6.3×8.4 1.0 230	8×10.2 0.53 350
100	6.3×7.0 1.1 140		6.3×7.0 1.1 140	6.3×8.4 1.0 230	8×10.2 0.22 600	10×10.2 0.35 670
150		6.3×7.0 1.1 140	6.3×8.4 1.0 230	8×10.2 0.22 600		
220	6.3×8.4 1.0 230		6.3×8.4 1.0 230	8×10.2 0.22 600	10×10.2 0.16 850	
330	6.3×8.4 1.0 230		8×10.2 0.22 600	10×10.2 0.16 850		
470	8×10.2 0.22 600		10×10.2 0.16 850			
1000	10×10.2 0.16 850					

Please refer to page 14 for ripple current frequency coefficients.

Impedance(Ω) max. at 100kHz, 20°C

Rated ripple current mArms(100kHz, 105°C)

Case size: φDxL(mm)

Part number

