CE-LH Series

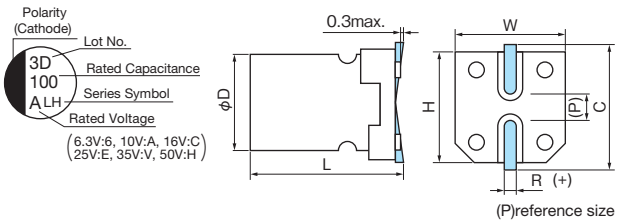
Long Life

- 105℃ 5,000hours
- 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 (℃)	–		−40 to +105					
Capacitance tolerance (%)	120Hz/20℃		M : ±20					
Dissipation Factor(tan δ)	tanδ(max.)120Hz/20℃		0.32	0.24	0.20	0.16	0.13	0.12
Leakage current(LC)	μA/after 2minutes (max.), 20℃		The greater value of either 0.01CV or 3					
Impedance ratio at low temperature	Based on the value at 120Hz, +20℃	−25℃ Z/Z20℃	4	3	2	2	2	2
		−40℃ Z/Z20℃	10	7	5	3	3	3
Endurance	105℃, 5,000hours rated voltage applied (With the rated ripple current)	△C/C	Within ±30% of the initial value					
		tanδ	Less than 300% of the specified value					
		LC	Less than the specified value					
Shelf Life	105℃, 1,000hours(with no voltage load)		Shall meet the endurance spec above after voltage treatment at 20deg.C per JIS C 5101-4 4.1.					

■ Marking, Dimensions



(Unit : mm)

D±0.5	L±0.3	W±0.2	H±0.2	C±0.2	R	P
4	6.0	4.3	4.3	5.0	0.5 to 0.8	1.0
5	6.0	5.3	5.3	6.0	0.5 to 0.8	1.4
6.3	6.0	6.6	6.6	7.3	0.5 to 0.8	2.2
6.3	7.7	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	
1.0											4×6.0	6.2
2.2											4×6.0	11
3.3											4×6.0	14
4.7									4×6.0	15	5×6.0	19
10					4×6.0	18	5×6.0	25	5×6.0	25	6.3×6.0	30
22			5×6.0	30	5×6.0	30	6.3×6.0	42	6.3×6.0	42	6.3×7.7	49
33	5×6.0	35	5×6.0	35	6.3×6.0	48	6.3×6.0	48	6.3×7.7	57		
47	5×6.0	36	6.3×6.0	50	6.3×6.0	50	6.3×7.7	63				
100	6.3×6.0	60	6.3×7.7	81	6.3×7.7	81						
220	6.3×7.7	101										

Please refer to page 14 for ripple current frequency coefficients.

Case size:φDxL(mm)

Rated ripple current mArms(120Hz, 105℃)

■ Part number

10 CE 100 LH

- LH — Series symbol
- 100 — Rated capacitance
- CE — Type symbol
- 10 — Rated voltage