

# CE-LH Series

105°C Long Life

High Voltage

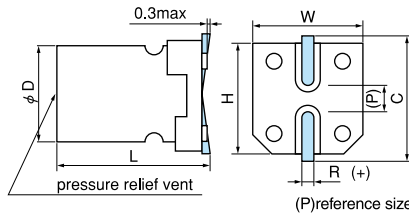
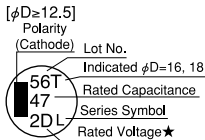
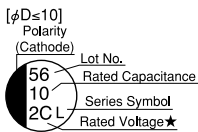


- 160 to 400V, 105°C, 5,000hours
- Non solvent proof

## Specifications

Items	Condition	Specifications		
Rated voltage (V)	—	160	200	400
Surge voltage (V)	Room temperature	200	250	450
Category temperature range (°C)	—	-40 to +105		
Capacitance tolerance (%)	120Hz/20°C	M : ±20		
Dissipation Factor (tan δ)	tan δ (max) 120Hz/20°C	0.20	0.20	0.25
Leakage current (LC)	μA/after 2minutes (max)	CV ≤ 1,000	0.03CV + 15	
		CV > 1,000	0.02CV + 25	
Impedance ratio at low temperature	Based the value at 120Hz, +20°C	-25°C Z/Z <sub>20°C</sub>	3	6
		-40°C Z/Z <sub>20°C</sub>	6	10
Endurance	105°C, 5,000hours rated voltage applied (With the rated ripple current)	ΔC/C	Within ±30% of the initial value	
		tan δ	Less than 300% of the specified value	
		LC	Less than the specified value	

## Marking, Dimensions



(Unit : mm)

D <sup>+0.5max</sup>	L	W <sup>+0.2</sup>	H <sup>+0.2</sup>	C <sup>+0.2</sup>	R	P
8	10.5 <sup>+0.3</sup>	8.3	8.3	9.0	0.7~1.0	3.2
10	10.5 <sup>+0.3</sup>	10.3	10.3	11.0	1.0~1.4	4.6
12.5	13.5 <sup>+0.5</sup>	12.8	12.8	13.5	1.0~1.4	4.6
16	16.5 <sup>+0.5</sup>	16.3	16.3	17.3	1.7~2.1	7.0
18	16.5 <sup>+1.0</sup>	19.0	19.0	20.0	1.7~2.1	7.0
18	21.5 <sup>+1.0</sup>	19.0	19.0	20.0	1.7~2.1	7.0

★ (160V : 2C, 200V : 2D, 400V : 2G)

## Size, Rated Ripple Current

μF \ V	160	200	400
2.2			8×10.5, 25
3.3		8×10.5, 31	10×10.5, 36
4.7		8×10.5, 37	10×10.5, 38
10	10×10.5, 43	10×10.5, 43	12.5×13.5, 57
22	12.5×13.5, 112	12.5×13.5, 112	16×16.5, 115
27			18×16.5, 125
33	12.5×13.5, 137	12.5×13.5, 137	18×21.5, 160
47	16×16.5, 180	16×16.5, 180	
68	16×16.5, 215	16×16.5, 215	
		18×16.5 ★, 270	
82	16×16.5, 235		
100	18×16.5, 320	18×21.5, 330	
120	18×21.5, 340		

Please refer to page 15 for ripple current frequency coefficients.  
★LHV

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

Case size: φDXL (mm)  
φ16, φ18: CE-LHT

## Part number

