

CE-LH Series

105°C Long Life

High Voltage



- 160 to 400V, 105°C 5,000hours
- Non solvent proof
- AEC-Q200

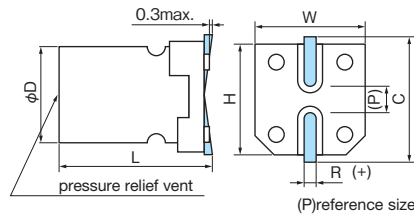
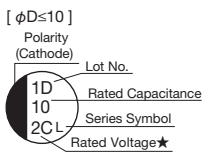
Specifications

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)	tanδ (max.) 120Hz/20°C	0.20	0.20	0.25
Leakage current (LC)	μA/after 2minutes (max.) (20°C)	CV ≤ 1,000	0.03CV + 15	
		CV > 1,000	0.02CV + 25	
Impedance ratio at low temperature	Based on the value at 120Hz, +20°C	-25°C Z/Z _{20°C}	3	6
		-40°C Z/Z _{20°C}	6	10
Endurance	105°C, 5,000hours rated voltage applied (With the rated ripple current)	ΔC/C	Within ±30% of the initial value	
		tanδ	Less than 300% of the specified value	
		LC	Less than the specified value	

 Surface Mount Type
 Aluminum Electrolytic Capacitors

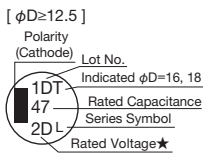
 CE-BD
 CE-BSS
 CE-BS
 CE-LD
 CE-FSS
 CE-FS
 CE-FS(High Voltage)
 CE-FH
 CE-AX
 CE-KX
 CE-ZX
 CE-ZC
 CE-LX
 CE-GA
 CE-LS
CE-LH
 CE-LH(High Voltage)
 CE-LL
 CE-LF
 CE-PC
 CE-PH
 CE-PS
 CE-PF
 CE-TH
 CE-JX
 CE-NP
 CE-FN

Marking, Dimensions



(Unit : mm)

D ^{±0.5}	L	W ^{±0.2}	H ^{±0.2}	C ^{±0.2}	R	P
8	10.5 ^{±0.3}	8.3	8.3	9.0	0.7 to 1.0	3.2
10	10.5 ^{±0.3}	10.3	10.3	11.0	1.0 to 1.4	4.6
12.5	13.5 ^{±0.5}	12.8	12.8	13.5	1.0 to 1.4	4.6
16	16.5 ^{±0.5}	16.3	16.3	17.3	1.7 to 2.1	7.0
18	16.5 ^{±1.0}	19.0	19.0	20.0	1.7 to 2.1	7.0
18	21.5 ^{±1.0}	19.0	19.0	20.0	1.7 to 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 14 for ripple current frequency coefficients.

★LHV

 Case size: φD×L (mm)
 φ16, φ18: CE-LHT

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

Part number

