

# CE-LH Series

105°C Long Life

High Voltage



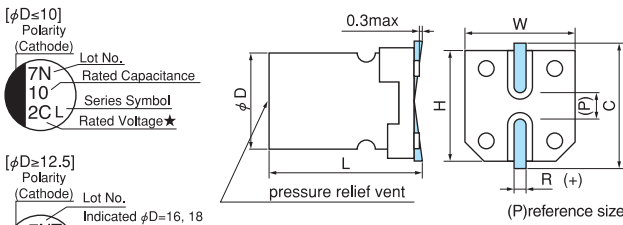
- 160 to 400V, 105°C, 5,000hours
- Non solvent proof

Surface Mount Type  
Aluminum Electrolytic Capacitors

## Specifications

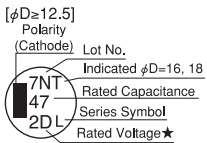
Items	Condition	Specifications		
Rated voltage (V)	—	160	200	400
Surge voltage (V)	Room temperature	200	250	450
Category temperature range (°C)	—	-40 to +105		
Capacitance tolerance (%)	120Hz/20°C	M : ±20		
Dissipation Factor (tan δ)	tanδ (max) 120Hz/20°C	0.20	0.20	0.25
Leakage current (LC)	μA/after 2minutes (max)	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		

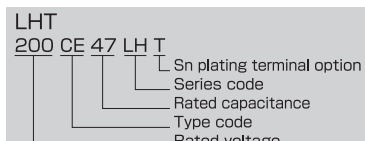
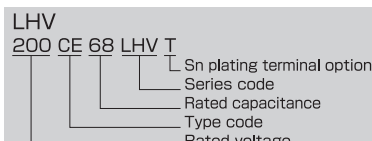
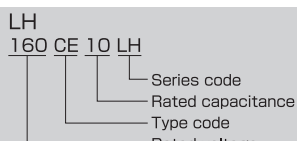
Please refer to page 15 for ripple current frequency coefficients.

★LHV

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

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

## Part number



- CE-BE
- CE-BD
- CE-BS
- CE-BSS
- CE-FE
- CE-LD
- CE-FSS
- CE-FS
- CE-FH
- CE-LH
- CE-AX
- CE-KX
- CE-GA
- CE-LS
- CE-ZX
- CE-ZC
- CE-LX
- CE-LL
- CE-LH(High Voltage)
- CE-PC
- CE-PH
- CE-PS
- CE-PF
- CE-TH
- CE-JX
- CE-NP
- CE-FN
- ME-SWB
- ME-UZ·SZ
- ME-UAX·SAX
- ME-SWG
- ME-HC
- ME-LS
- ME-CZ
- ME-CA
- ME-CX
- ME-AX
- ME-WX
- ME-WA
- ME-WL
- ME-WG
- ME-FX
- ME-FH
- ME-PX
- ME-HPC·HPD
- ME-FC·FD
- ME-SWN
- ME-HWN

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