

# CE-LH Series

105°C Long Life

High Voltage

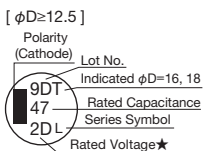
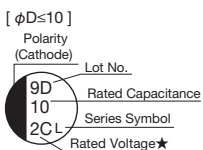


- 160 to 400V, 105°C 5,000hours
- Non solvent proof
- AEC-Q200

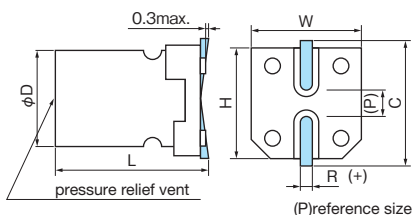
## Specifications

| 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.)  | 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 <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      |      |
|                                    |   | tanδ                      | Less than 300% of the specified value |      |
|                                    |   | LC                        | Less than the specified value         |      |

## Marking, Dimensions



★(160V : 2C, 200V : 2D, 400V : 2G)



(Unit : mm)

| D <sup>+0.5</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 to 1.0 | 3.2 |
| 10                | 10.5 <sup>±0.3</sup> | 10.3              | 10.3              | 11.0              | 1.0 to 1.4 | 4.6 |
| 12.5              | 13.5 <sup>±0.5</sup> | 12.8              | 12.8              | 13.5              | 1.0 to 1.4 | 4.6 |
| 16                | 16.5 <sup>±0.5</sup> | 16.3              | 16.3              | 17.3              | 1.7 to 2.1 | 7.0 |
| 18                | 16.5 <sup>±1.0</sup> | 19.0              | 19.0              | 20.0              | 1.7 to 2.1 | 7.0 |
| 18                | 21.5 <sup>±1.0</sup> | 19.0              | 19.0              | 20.0              | 1.7 to 2.1 | 7.0 |

## Size, Rated Ripple Current

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

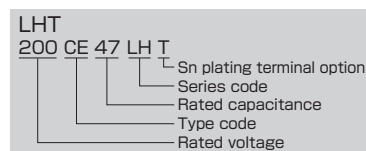
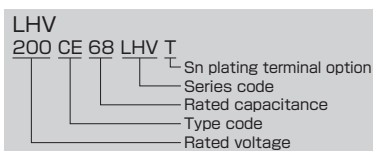
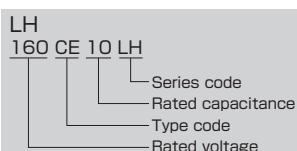
Please refer to page 14 for ripple current frequency coefficients.

★LHV

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

 Rated ripple current  
mArms(120Hz, 105°C)

## Part number



- CE-BE
- CE-BD
- CE-BS
- CE-BSS
- CE-FE
- 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