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SPECIFICATIONS

Aluminium Electrolytic Capacitors

CE/LH-Serie

Version March 2019

CE-LH Series

Long Life



- 105°C 5,000hours
- Solvent proof (within 2 minutes)

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 (°C) | — | -40 to +105 | | | | | | |
| Capacitance tolerance (%) | 120Hz/20°C | M : ±20 | | | | | | |
| Dissipation Factor (tan δ) | tanδ (max) 120Hz/20°C | 0.32 | 0.24 | 0.20 | 0.16 | 0.13 | 0.12 | |
| Leakage current (LC) | μA/after 2minutes (max) | The greater value of either 0.01CV or 3 | | | | | | |
| Impedance ratio at low temperature | Based on the value at 120Hz, +20°C | -25°C Z/Z _{20°C} | 4 | 3 | 2 | 2 | 2 | 2 |
| | | -40°C Z/Z _{20°C} | 10 | 7 | 5 | 3 | 3 | 3 |
| 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

Polarity (Cathode)
 Lot No.
 Rated Capacitance
 Series Symbol
 Rated Voltage
 (6.3V:6, 10V:A, 16V:C,
 25V:E, 35V:V, 50V:H)

0.3max
D
L
W
H
R (+)
P (reference size)

(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: φD×L (mm)

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

Part number

