

CE-FU Series

High Temperature Reflow Soldering

5.4mm Height



- 105°C, 1,000hours
- Solvent proof (within 2 minutes)

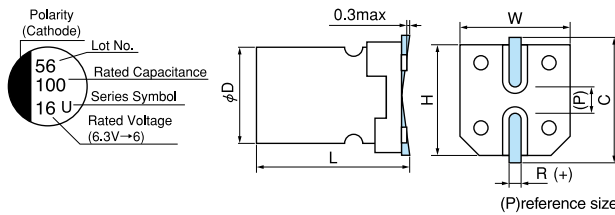
CE-FU

↑ High Temperature Reflow
CE-FS (P.42)

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) | — | -55 to +105 | | | | | | |
| Capacitance tolerance (%) | 120Hz/20°C | M : ±20 | | | | | | |
| Dissipation Factor (tan δ) | tan δ (max) 120Hz/20°C | 0.30 | 0.24 | 0.20 | 0.16 | 0.14 | 0.12 | |
| Leakage current (LC) | μA/after 2minutes (max) | The greater value of either 0.01CV or 3 | | | | | | |
| Impedance ratio at low temperature | Based the value at 120Hz, +20°C | -40°C Z/Z _{20°C} | 4 | 3 | 2 | 2 | 2 | 2 |
| | | -55°C Z/Z _{20°C} | 8 | 8 | 4 | 4 | 3 | 3 |
| Endurance | 105°C, 1,000hours 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 ^{+0.5max} | L ^{+0.1 -0.2} | W ^{+0.2} | H ^{+0.2} | C ^{+0.2} | R | P |
|----------------------|----------------------------|-------------------|-------------------|-------------------|------------|-----|
| 4 | 5.4 | 4.3 | 4.3 | 5.0 | 0.5 to 0.8 | 1.0 |
| 5 | 5.4 | 5.3 | 5.3 | 6.0 | 0.5 to 0.8 | 1.4 |
| 6.3 | 5.4 | 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 | | | | | | 4×5.4 8 |
| 2.2 | | | | | | 4×5.4 11 |
| 3.3 | | | | | | 4×5.4 13 |
| 4.7 | | | | 4×5.4 13 | 4×5.4 14 | 5×5.4 16 |
| 10 | | | 4×5.4 18 | 5×5.4 20 | 5×5.4 21 | 6.3×5.4 24 |
| 22 | 4×5.4 22 | 5×5.4 25 | 5×5.4 27 | 6.3×5.4 36 | 6.3×5.4 38 | |
| 33 | 5×5.4 27 | 5×5.4 30 | 6.3×5.4 40 | 6.3×5.4 44 | | |
| 47 | 5×5.4 33 | 6.3×5.4 41 | 6.3×5.4 48 | | | |
| 100 | 6.3×5.4 50 | 6.3×5.4 53 | 6.3×5.4 60 | | | |

Please refer to page 15 for ripple current frequency coefficients.

Case size: φD×L(mm)

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

Part number

