

ME-FX Series

Long Life



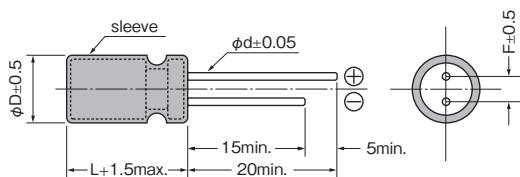
- 105°C 10,000hours
- Solvent proof(within 5 minutes)

ME-FX ← Long Life → ME-CZ (P.80)

Specifications

| Items | Condition | Specifications | | | | | | | |
|------------------------------------|--|---|---------------------------------------|------|------|------|------|---|---|
| Rated voltage (V) | — | 10 | 16 | 25 | 35 | 50 | 100 | | |
| Surge voltage (V) | Room temperature | 13 | 20 | 32 | 44 | 63 | 125 | | |
| Category temperature range (°C) | — | -40 to +105 | | | | | | | |
| Capacitance tolerance (%) | 120Hz/20°C | M : ±20 | | | | | | | |
| Dissipation Factor (tan δ) | tanδ (max.) 120Hz/20°C | 0.45 | 0.35 | 0.30 | 0.22 | 0.19 | 0.15 | | |
| 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} | 8 | 6 | 4 | 4 | 3 | 3 |
| Endurance | 105°C, 10,000hours rated voltage applied (With the rated ripple current) | ΔC/C | Within ±25% of the initial value | | | | | | |
| | | tanδ | Less than 300% of the specified value | | | | | | |
| | | LC | Less than the specified value | | | | | | |

Dimensions



A pressure relief vent is provided for φD=6.3 or bigger

(Unit : mm)

| φD | 5 | 6.3 | 8 |
|----|-----|-----|-----|
| F | 2.0 | 2.5 | 3.5 |
| φd | 0.5 | 0.5 | 0.6 |

Size, Rated Ripple Current

| μF \ V | 10 | 16 | 25 | 35 | 50 | 100 |
|--------|------------|------------|------------|------------|------------|------------|
| 2.2 | | | | | 5×11 35 | |
| 3.3 | | | | | 5×11 70 | |
| 4.7 | | | | | 5×11 80 | 5×11 70 |
| 10 | | | | | 5×11 90 | 6.3×11 150 |
| 22 | | | | | 5×11 110 | 8×11.5 230 |
| 33 | | | 5×11 130 | 5×11 130 | 6.3×11 190 | |
| 47 | | 5×11 130 | 5×11 130 | 6.3×11 210 | 6.3×11 190 | |
| 100 | | 6.3×11 210 | 6.3×11 210 | 8×11.5 330 | 8×12.5 270 | |
| 220 | 6.3×11 210 | 8×11.5 330 | 8×11.5 330 | | | |
| 330 | 8×11.5 330 | 8×11.5 330 | | | | |
| 470 | 8×11.5 330 | | | | | |

Please refer to page 14 for ripple current frequency coefficients.

Case size: φD×L(mm)

 Rated ripple current
mA_{rms}(100kHz, 105°C)

Part number

