

ME-FH Series

105°C, Small, Long Life

High Voltage

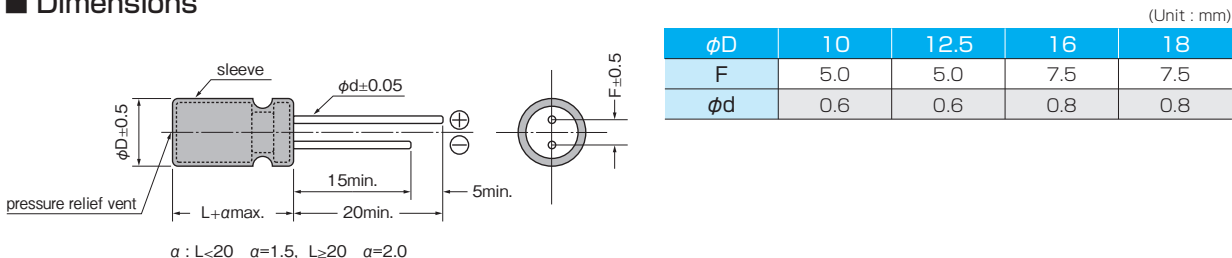


- 105°C 10,000 to 12,000hours
- Non solvent proof

Specifications

| Items | Condition | Specifications | | | | | | | |
|------------------------------------|---|---------------------------|---|------|------|------|------|-------------|--|
| Rated voltage (V) | — | 160 | 200 | 250 | 350 | 400 | 450 | | |
| Surge voltage (V) | Room temperature | 200 | 250 | 300 | 400 | 450 | 500 | | |
| Category temperature range (°C) | — | -40 to +105 | | | | | | -25 to +105 | |
| Capacitance tolerance (%) | 120Hz/20°C | M : ±20 | | | | | | | |
| Dissipation Factor (tan δ) | tanδ (max.) 120Hz/20°C | 0.20 | 0.20 | 0.20 | 0.25 | 0.25 | 0.25 | | |
| Leakage current (LC) | μA/after 2minutes (max.) | 0.02CV + 25 | | | | | | | |
| Impedance ratio at low temperature | Based on the value at 120Hz, +20°C | -25°C Z/Z _{20°C} | 3 | 3 | 3 | 4 | 6 | 6 | |
| | | -40°C Z/Z _{20°C} | 6 | 6 | 6 | 8 | 10 | — | |
| Endurance | 105°C rated voltage applied (With the rated ripple current) | Test | φ10 : 10,000hours, φ12.5 to φ18 : 12,000hours | | | | | | |
| | | ΔC/C | Within ±20% of the initial value | | | | | | |
| | | tanδ | Less than 200% of the specified value | | | | | | |
| | | LC | Less than the specified value | | | | | | |

Dimensions



Size, Rated Ripple Current

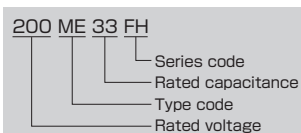
| μF \ V | 160 | 200 | 250 | 350 | 400 | 450 |
|--------|---------|---------|---------|-------|---------|---------|
| 4.7 | | | | | 10×12.5 | 57 |
| 6.8 | | | | | 10×16 | 88 |
| 10 | | 10×12.5 | 105 | 10×16 | 106 | 10×16 |
| 22 | | 10×16 | 173 | 10×20 | 184 | 12.5×20 |
| 33 | 10×16 | 190 | 10×20 | 227 | 12.5×20 | 238 |
| 47 | 10×20 | 270 | 12.5×20 | 270 | 12.5×25 | 282 |
| 68 | 12.5×20 | 336 | 12.5×20 | 325 | 16×25 | 364 |
| 82 | 12.5×20 | 346 | 12.5×25 | 370 | 16×25 | 403 |
| 100 | 12.5×25 | 410 | 16×25 | 436 | 16×31.5 | 418 |
| 150 | 16×25 | 500 | 16×31.5 | 470 | 18×31.5 | 545 |
| 220 | 16×31.5 | 570 | 18×31.5 | 660 | | |

Please refer to page 14 for ripple current frequency coefficients.

Case size: φDxL (mm)

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

Part number



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