

ME-HC Series

Standard

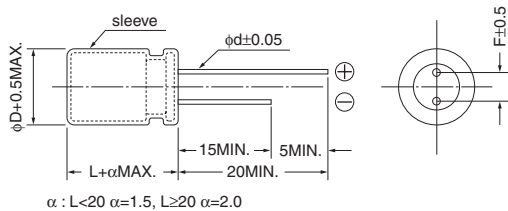


- Solvent proof (within 5 minutes)

Specifications

| Items | Specifications | | | | | | | |
|--|--|-------------------------------------|------|------|------|------|------|------|
| Rated voltage (V) | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 100 |
| Category temperature range (°C) | -40 to +85 | | | | | | | |
| Capacitance tolerance (%) | ±20 (120Hz/20°C) | | | | | | | |
| Tangent of loss angle (tanδ) (MAX.) (120Hz/20°C) | 0.28 | 0.24 | 0.20 | 0.16 | 0.14 | 0.12 | 0.10 | 0.10 |
| | When rated capacitance exceeds 1000µF, add 0.02 to the value above for each 1000µF increase. | | | | | | | |
| Leakage current (L.C.) (µA/after 2min.) (MAX.) | The greater value of either 0.01CV or 3 | | | | | | | |
| Impedance (120Hz) ratio at low temperature (MAX.) | Z-25°C/Z20°C | 5 | 4 | 3 | 2 | 2 | 2 | 2 |
| | Z-40°C/Z20°C | 12 | 10 | 8 | 6 | 4 | 4 | 4 |
| Endurance 85°C, 2000hrs. rated voltage applied (With the rated ripple current) | ΔC/C | Within ±25% of the initial value | | | | | | |
| | tanδ | ≤ Twice the initial specified value | | | | | | |
| | L.C. | ≤ The initial specified value | | | | | | |

Dimensions



α : L<20 α=1.5, L≥20 α=2.0

A pressure relief vent is attached to products over φD=6.3

(Unit : mm)

| φD | 5 | 6.3 | 8 | 10 | 12.5 | 16 | 18 |
|----|-----|-----|-----|-----|------|-----|-----|
| F | 2.0 | 2.5 | 3.5 | 5.0 | 5.0 | 7.5 | 7.5 |
| φd | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.8 | 0.8 |

Size List, Rated Ripple Current

| μF | V | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 100 | | | | | | | |
|-------|-----------|------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|----------|-----------|------|-----------|-----|
| 0.10 | | | | | | | 5 x 11 | 1.0 | 5 x 11 | 1.2 | 5 x 11 | 2.1 | | | | |
| 0.22 | | | | | | | 5 x 11 | 2.5 | 5 x 11 | 3.0 | 5 x 11 | 4.7 | | | | |
| 0.33 | | | | | | | 5 x 11 | 4.0 | 5 x 11 | 4.8 | 5 x 11 | 7.0 | | | | |
| 0.47 | | | | | | | 5 x 11 | 5.0 | 5 x 11 | 5.0 | 5 x 11 | 10 | | | | |
| 1.0 | | | | | | | 5 x 11 | 10 | 5 x 11 | 10 | 5 x 11 | 21 | | | | |
| 2.2 | | | | | | | 5 x 11 | 20 | 5 x 11 | 20 | 5 x 11 | 30 | | | | |
| 3.3 | | | | | | | 5 x 11 | 28 | 5 x 11 | 28 | 5 x 11 | 40 | | | | |
| 4.7 | | | | | 5 x 11 | 25 | 5 x 11 | 38 | 5 x 11 | 40 | 5 x 11 | 50 | | | | |
| 10 | | | | 5 x 11 | 28 | 5 x 11 | 40 | 5 x 11 | 50 | 5 x 11 | 60 | 6.3 x 11 | 70 | | | |
| 22 | | | 5 x 11 | 38 | 5 x 11 | 50 | 5 x 11 | 75 | 5 x 11 | 90 | 5 x 11 | 105 | 8 x 11.5 | 120 | | |
| 33 | 5 x 11 | 50 | 5 x 11 | 58 | 5 x 11 | 60 | 5 x 11 | 80 | 5 x 11 | 90 | 5 x 11 | 110 | 6.3 x 11 | 130 | 8 x 12.5 | 145 |
| 47 | 5 x 11 | 60 | 5 x 11 | 70 | 5 x 11 | 85 | 5 x 11 | 90 | 5 x 11 | 125 | 6.3 x 11 | 135 | 6.3 x 11 | 160 | 10 x 12.5 | 180 |
| 100 | 5 x 11 | 120 | 5 x 11 | 125 | 5 x 11 | 165 | 6.3 x 11 | 180 | 6.3 x 11 | 200 | 8 x 11.5 | 250 | 8 x 12.5 | 280 | 10 x 20 | 350 |
| 220 | 5 x 11 | 210 | 5 x 11 | 210 | 6.3 x 11 | 260 | 8 x 11.5 | 320 | 8 x 11.5 | 320 | 10 x 12.5 | 410 | 10 x 16 | 450 | 12.5 x 25 | 550 |
| 330 | 6.3 x 11 | 260 | 6.3 x 11 | 295 | 8 x 11.5 | 360 | 8 x 11.5 | 380 | 10 x 12.5 | 440 | 10 x 16 | 580 | 10 x 20 | 600 | 16 x 25 | 750 |
| 470 | 6.3 x 11 | 330 | 6.3 x 11 | 330 | 8 x 11.5 | 380 | 10 x 12.5 | 540 | 10 x 16 | 585 | 10 x 20 | 750 | 12.5 x 20 | 800 | 16 x 31.5 | 950 |
| 1000 | 8 x 11.5 | 420 | 10 x 12.5 | 620 | 10 x 16 | 740 | 10 x 20 | 940 | 12.5 x 20 | 1000 | 12.5 x 25 | 1150 | 16 x 25 | 1250 | | |
| 2200 | 10 x 16 | 890 | 10 x 20 | 1000 | 12.5 x 20 | 1150 | 12.5 x 25 | 1350 | 16 x 25 | 1500 | 16 x 31.5 | 1700 | | | | |
| 3300 | 10 x 20 | 1080 | 12.5 x 20 | 1300 | 12.5 x 25 | 1500 | 16 x 25 | 1600 | 16 x 35.5 | 1750 | 18 x 35.5 | 1850 | | | | |
| 4700 | 12.5 x 20 | 1400 | 12.5 x 25 | 1550 | 16 x 25 | 1750 | 16 x 31.5 | 1900 | 18 x 35.5 | 2000 | | | | | | |
| 6800 | 12.5 x 25 | 1600 | 16 x 25 | 1800 | 16 x 31.5 | 1900 | 18 x 35.5 | 2000 | | | | | | | | |
| 10000 | 16 x 25 | 1750 | 16 x 31.5 | 1900 | 18 x 35.5 | 2000 | | | | | | | | | | |
| 15000 | 16 x 35.5 | 1900 | 18 x 35.5 | 2000 | | | | | | | | | | | | |

Case size ; φD x L (mm)

Rated ripple current
mAr.m.s. (120Hz, 85°C)

Model No.

