Aluminum Electrolytic Type / Radial Lead Type **RoHS compliance**

# ME-WG Series

**Super Low ESR, Small**

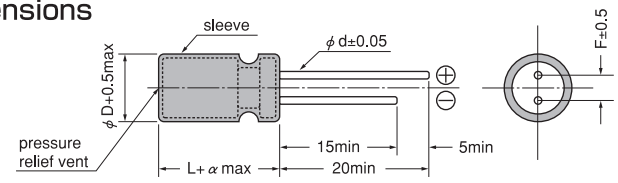
- 105℃, 2,000 to 4,000hours
- Non solvent proof

ME-WG
↑ Low ESR
ME-WX (P.84)

## ■ Specifications

| Items | Condition | | Specifications | | | |
|---|---|---|---|---|---|---|
| Rated voltage (V) | – | | 6.3 | 10 | 16 | 25 |
| Surge voltage (V) | Room temperature | | 8.0 | 13 | 20 | 32 |
| Category temperature range (℃) | – | | −40 to +105 | | | |
| Capacitance tolerance (%) | 120Hz/20℃ | | M : ±20 | | | |
| Dissipation Factor (tanδ) | tanδ (max) 120Hz/20℃ | | 0.22 | 0.19 | 0.16 | 0.14 |
| | | | Exceeding 1,000μF, +0.02 every 1,000μF | | | |
| Leakage current (LC) | μA/after 2minutes (max) | | 0.03CV | | | |
| Impedance ratio at low temperature | Based the value at 120Hz, +20℃ | −25℃ Z/Z20℃ | 2 | 2 | 2 | 2 |
| | | −40℃ Z/Z20℃ | 3 | 3 | 3 | 3 |
| Endurance | 105℃ rated voltage applied (With the rated ripple current) | Test | φ8×11.5, φ8×16, φ10×12.5, φ10×16 : 2,000hours, φ8×20 : 3,000hours, φ10×20, φ10×23 : 4,000hours | | | |
| | | △C/C | Within ±25% of the initial value | | | |
| | | tanδ | Less than 200% of the specified value | | | |
| | | LC | Less than the specified value | | | |

## ■ Dimensions




α : L<20 α=1.5, L≥20 α=2.0 (Only φ8×11.5 α=2.0)

(Unit : mm)

| φD | 8 | 10 |
|---|---|---|
| F | 3.5 | 5.0 |
| φd | 0.6 | 0.6 |

## ■ Size, ESR, Rated Ripple Current

| V / Items / μF | 6.3 | | | 10 | | | 16 | | | 25 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Case size φDxL (mm) | ESR (mΩmax) 20℃/100kHz | Ripple current (mArms) 105℃/100kHz | Case size φDxL (mm) | ESR (mΩmax) 20℃/100kHz | Ripple current (mArms) 105℃/100kHz | Case size φDxL (mm) | ESR (mΩmax) 20℃/100kHz | Ripple current (mArms) 105℃/100kHz | Case size φDxL (mm) | ESR (mΩmax) 20℃/100kHz | Ripple current (mArms) 105℃/100kHz |
| 220 | | | | | | | | | | 8×11.5 | 30 | 1110 |
| 330 | | | | | | | 8×11.5 | 30 | 1140 | 8×11.5 | 32 | 1080 |
| | | | | | | | | | | 10×12.5 ★3 | 25 | 1440 |
| 470 | | | | 8×11.5 | 30 | 1140 | 8×11.5 | 36 | 1140 | 8×20 ★1 | 18 | 1820 |
| | | | | | | | | | | 10×12.5 | 27 | 1390 |
| | | | | | | | | | | 10×16 ★3 | 20 | 1920 |
| 680 | | | | 8×11.5 | 36 | 1140 | 8×16 ★1 | 28 | 1490 | 10×16 | 22 | 1830 |
| | | | | | | | 10×12.5 | 26 | 1540 | 10×20 ★3 | 16 | 2180 |
| 820 | 8×11.5 | 36 | 1140 | | | | | | | | | |
| 1000 | 8×11.5 | 30 | 1140 | 8×16 ★1 | 28 | 1490 | 8×20 ★1 | 19 | 1870 | 10×23 ★1 | 16 | 2180 |
| | | | | 10×12.5 | 26 | 1540 | 10×16 | 19 | 2000 | | | |
| 1200 | 8×16 | 28 | 1490 | 8×20 ★1 | 19 | 1870 | | | | | | |
| 1500 | 8×20 ★1 | 19 | 1870 | 8×20 ★1 | 19 | 1870 | 10×20 | 13 | 2550 | | | |
| | 8×20 ★2 | 16 | 1950 | 10×16 | 19 | 2000 | | | | | | |
| | 10×12.5 | 26 | 1540 | | | | | | | | | |
| | 10×16 ★3 | 18 | 2000 | | | | | | | | | |
| 1800 | 8×20 ★2 | 16 | 1950 | 10×20 | 13 | 2550 | 10×23 | 12 | 2800 | | | |
| | 10×16 | 19 | 2000 | | | | | | | | | |
| 2200 | 10×20 | 13 | 2550 | 10×23 | 12 | 2800 | | | | | | |
| 3300 | 10×23 | 12 | 2800 | | | | | | | | | |

Please refer to page 15 for ripple current frequency coefficients.

★1 WGL ★2 WGL2 ★3 WGV

## ■ Part number

WG
10 ME 1000 WG
- Series code
- Rated capacitance
- Type code
- Rated voltage

WGL
6 ME 1500 WGL
- Series code
- Rated capacitance
- Type code
- Rated voltage

WGL2
6 ME 1500 WGL2
- Series code
- Rated capacitance
- Type code
- Rated voltage

WGV
25 ME 470 WGV
- Series code
- Rated capacitance
- Type code
- Rated voltage



CE-BE
CE-BD
CE-BS
CE-BSS
CE-FE
CE-LD
CE-FSS
CE-FS
CE-FH
CE-LH
CE-AX
CE-KX
CE-GA
CE-LS
CE-ZX
CE-ZC
CE-LX
CE-LL
CE-LH(High Voltage)
CE-PC
CE-PH
CE-PS
CE-PF
CE-TH
CE-JX
CE-NP
CE-FN
ME-SWB
ME-UZ·SZ
ME-UAX·SAX
ME-SWG
ME-HC
ME-LS
ME-CZ
ME-CA
ME-CX
ME-AX
ME-WX
ME-WA
ME-WL
ME-WG
ME-FX
ME-FH
ME-PX
ME-HPC·HPD
ME-FC·FD
ME-SWN
ME-HWN