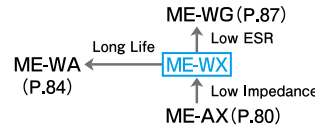


ME-WX Series

Low Impedance
High Ripple Current



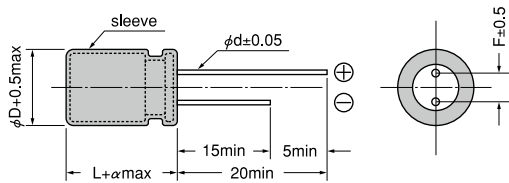
- 105°C, 2,000 to 5,000hours
- Non solvent proof



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) | — | -40 to +105 | | | | | | |
| Capacitance tolerance (%) | 120Hz/20°C | M : ±20 | | | | | | |
| Dissipation Factor (tanδ) | tanδ (max) 120Hz/20°C | 0.22 | 0.19 | 0.16 | 0.14 | 0.12 | 0.10 | |
| | | Exceeding 1,000μF, +0.02 every 1,000μF | | | | | | |
| Leakage current (LC) | μA/after 2minutes (max) | 0.01CV | | | | | | |
| Impedance ratio at low temperature | Based the value at 120Hz, +20°C | -25°C Z/Z _{20°C} | 2 | 2 | 2 | 2 | 2 | 2 |
| | | -40°C Z/Z _{20°C} | 3 | 3 | 3 | 3 | 3 | 3 |
| Endurance | 105°C rated voltage applied (With the rated ripple current) | Test | φ5 to φ6.3 : 2,000hours, φ8 : 3,000hours, φ10 : 4,000hours, φ12.5 to φ16 : 5,000hours | | | | | |
| | | ΔC/C | Within ±25% of the initial value | | | | | |
| | | tan δ | 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

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

(Unit : mm)

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

★φ12.5×30:φd=0.8

Size, Impedance, Rated Ripple Current

| V | Items | 6.3 | | | 10 | | |
|------|---------|------------------|-------------------------------|--|------------------|-------------------------------|--|
| | | Capacitance (μF) | Impedance(Ωmax) (20°C/100kHz) | Rated ripple current(mArms) (105°C/100kHz) | Capacitance (μF) | Impedance(Ωmax) (20°C/100kHz) | Rated ripple current(mArms) (105°C/100kHz) |
| 5 | 5×11 | 150 | 0.30 | 250 | 100 | 0.30 | 250 |
| 6.3 | 6.3×11 | 330 | 0.13 | 405 | 220 | 0.13 | 405 |
| 8 | 8×11.5 | 560 | 0.072 | 760 | 470 | 0.072 | 760 |
| 8 | 8×15 | 820 | 0.056 | 995 | ★1 680 | 0.056 | 995 |
| 8 | 8×20 | ★1 1200 | 0.041 | 1250 | ★1 1000 | 0.041 | 1250 |
| 10 | 10×12.5 | 1000 | 0.053 | 1030 | 680 | 0.053 | 1030 |
| 10 | 10×16 | 1200 | 0.038 | 1430 | 1000 | 0.038 | 1430 |
| 10 | 10×20 | 1500 | 0.023 | 1820 | 1200 | 0.023 | 1820 |
| 10 | 10×20 | 2200 | 0.023 | 1820 | 1500 | 0.023 | 1820 |
| 10 | 10×23 | ★3 2200 | 0.022 | 2150 | ★3 1500 | 0.022 | 2150 |
| 12.5 | 12.5×20 | 3300 | 0.021 | 2360 | 2200 | 0.021 | 2360 |
| 12.5 | 12.5×25 | 3900 | 0.018 | 2770 | 3300 | 0.018 | 2770 |
| 12.5 | 12.5×30 | 4700 | 0.016 | 3290 | 3900 | 0.016 | 3290 |
| 16 | 16×21 | 5600 | 0.018 | 3140 | ★2 3900 | 0.018 | 3140 |
| 16 | 16×25 | 6800 | 0.016 | 3460 | 5600 | 0.016 | 3460 |

★1 WXL ★2 WXS ★3 WXV

■ Size, Impedance, Rated Ripple Current

| V Items Case size φDxL(mm) | 16 | | | 25 | | |
|-------------------------------------|---------------------|----------------------------------|---|---------------------|----------------------------------|---|
| | Capacitance (μF) | Impedance(Qmax) (20°C/100kHz) | Rated ripple current(mArms) (105°C/100kHz) | Capacitance (μF) | Impedance(Qmax) (20°C/100kHz) | Rated ripple current(mArms) (105°C/100kHz) |
| 5×11 | 56 | 0.30 | 250 | 47 | 0.30 | 250 |
| 6.3×11 | 120 | 0.13 | 405 | 100 | 0.13 | 405 |
| 8×11.5 | 330 | 0.072 | 760 | 220 | 0.072 | 760 |
| 8×15 | ★1 470 | 0.056 | 995 | 330 | 0.056 | 995 |
| 8×20 | ★1 680 | 0.041 | 1250 | ★1 470 | 0.041 | 1250 |
| 10×12.5 | 470 | 0.053 | 1030 | ★2 330 | 0.053 | 1030 |
| 10×16 | 680 | 0.038 | 1430 | 470 | 0.038 | 1430 |
| 10×20 | 1000 | 0.023 | 1820 | 680 | 0.023 | 1820 |
| 10×20 | 1200 | 0.023 | 1820 | 820 | 0.023 | 1820 |
| 10×23 | ★3 1200 | 0.022 | 2150 | ★3 820 | 0.022 | 2150 |
| 12.5×20 | 1500 | 0.021 | 2360 | 1000 | 0.021 | 2360 |
| 12.5×25 | 2200 | 0.018 | 2770 | 1500 | 0.018 | 2770 |
| 12.5×30 | 2700 | 0.016 | 3290 | 1800 | 0.016 | 3290 |
| 16×21 | ★2 2700 | 0.018 | 3140 | ★2 1800 | 0.018 | 3140 |
| 16×25 | 3900 | 0.016 | 3460 | 2700 | 0.016 | 3460 |

| V Items Case size φDxL(mm) | 35 | | | 50 | | |
|-------------------------------------|---------------------|----------------------------------|---|---------------------|----------------------------------|---|
| | Capacitance (μF) | Impedance(Qmax) (20°C/100kHz) | Rated ripple current(mArms) (105°C/100kHz) | Capacitance (μF) | Impedance(Qmax) (20°C/100kHz) | Rated ripple current(mArms) (105°C/100kHz) |
| 5×11 | 33 | 0.30 | 250 | 22 | 0.34 | 238 |
| 6.3×11 | 56 | 0.13 | 405 | 47 | 0.14 | 385 |
| 8×12.5 | ★3 150 | 0.072 | 760 | 100 | 0.074 | 724 |
| 8×15 | 220 | 0.056 | 995 | 120 | 0.061 | 950 |
| 8×20 | ★1 270 | 0.041 | 1250 | 180 | 0.046 | 1190 |
| 10×12.5 | ★2 220 | 0.053 | 1030 | 150 | 0.061 | 979 |
| 10×16 | 330 | 0.038 | 1430 | 220 | 0.042 | 1370 |
| 10×20 | 470 | 0.023 | 1820 | 270 | 0.030 | 1580 |
| 10×23 | ★3 560 | 0.022 | 2150 | 330 | 0.028 | 1870 |
| 12.5×20 | 680 | 0.021 | 2360 | 470 | 0.027 | 2050 |
| 12.5×25 | 1000 | 0.018 | 2770 | 560 | 0.023 | 2410 |
| 12.5×30 | 1200 | 0.016 | 3290 | 680 | 0.021 | 2860 |
| 16×21 | ★2 1200 | 0.018 | 3140 | 820 | 0.023 | 2730 |
| 16×25 | 1800 | 0.016 | 3460 | 1000 | 0.021 | 3010 |

Please refer to page 15 for ripple current frequency coefficients.

★1 WXL ★2 WXS ★3 WXV

Radial Lead Type
Aluminum Electrolytic Capacitors

- ME-SWB
- ME-UZ-SZ
- ME-UAX-SAX
- ME-SWG
- ME-HC
- ME-CZ
- ME-CA
- ME-CX
- ME-AX
- ME-WX**
- ME-WA
- ME-WL
- ME-WG
- ME-LS
- ME-FX
- ME-PX
- ME-HPC-HPD
- ME-FC-FD
- ME-FH
- ME-SWN
- ME-HWN

■ Part number

