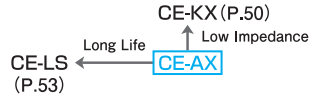


CE-AX Series

Low Impedance



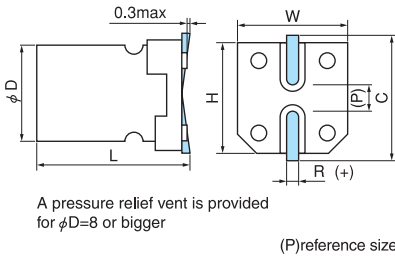
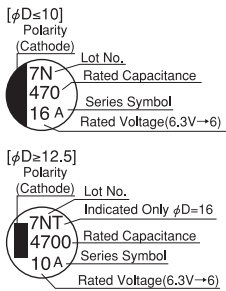
- 105°C, 1,000 to 2,000hours
- Solvent proof (within 2 minutes)



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) | — | -55 to +105 | | | | | | |
| Capacitance tolerance (%) | 120Hz/20°C | M : ±20 | | | | | | |
| Dissipation Factor (tan δ) | tan δ (max) 120Hz/20°C | φ4 to φ6.3 | 0.24 | 0.20 | 0.16 | 0.14 | 0.12 | 0.12 |
| | | φ8 to φ16 | 0.28 | 0.24 | 0.20 | 0.16 | 0.14 | 0.14 |
| Leakage current (LC) | μA/after 2minutes (max) | Exceeding 1,000μF, +0.02 every 1,000μF The greater value of either 0.01CV or 3 | | | | | | |
| Impedance ratio at low temperature | Based the value at 120Hz, +20°C | -40°C / Z/Z20°C | 3 | 2 | 2 | 2 | 2 | 2 |
| | | -55°C / Z/Z20°C | 5 | 4 | 4 | 3 | 3 | 3 |
| Endurance | 105°C rated voltage applied (With the rated ripple current) | Test | φ4 to φ6.3, φ10 × 7.7 : 1,000hours, φ8 to φ16 : 2,000hours | | | | | |
| | | ΔC/C | Within ±25% of the initial value | | | | | |
| | | tan δ | Less than 200% of the specified value | | | | | |
| | | LC | Less than the specified value | | | | | |

Marking, Dimensions



(Unit : mm)

| D ^{+0.5max} | L ^{±0.3} | W ^{±0.2} | H ^{±0.2} | C ^{+0.2} | R | P |
|----------------------|----------------------|-------------------|-------------------|-------------------|------------|-----|
| 4 | 6.0 | 4.3 | 4.3 | 5.0 | 0.5 to 0.8 | 1.0 |
| 5 | 6.0 | 5.3 | 5.3 | 6.0 | 0.5 to 0.8 | 1.4 |
| 6.3 | 6.0 | 6.6 | 6.6 | 7.3 | 0.5 to 0.8 | 2.2 |
| 6.3 | 7.7 | 6.6 | 6.6 | 7.3 | 0.5 to 0.8 | 2.2 |
| 8 | 10.2 | 8.3 | 8.3 | 9.0 | 0.7 to 1.0 | 3.2 |
| 10 | 7.7 | 10.3 | 10.3 | 11.0 | 1.0 to 1.4 | 4.6 |
| 10 | 10.2 | 10.3 | 10.3 | 11.0 | 1.0 to 1.4 | 4.6 |
| 12.5 | 13.5 ^{±0.5} | 12.8 | 12.8 | 13.5 | 1.0 to 1.4 | 4.6 |
| 16 | 16.5 ^{±0.5} | 16.3 | 16.3 | 17.3 | 1.7 to 2.1 | 7.0 |

Aluminum Electrolytic Capacitors

CE-BE
CE-BD
CE-BS
CE-BSS
CE-CE
CE-LD
CE-FD
CE-FSS
CE-FS
CE-FH
CE-LH
CE-AX
CE-KX
CE-GA
CE-LS
CE-ZX
CE-ZC
CE-LX
CE-LL
Voltage)
CE-PC
CE-PH
CE-PS
CE-PF
CE-TH
CE-JX
CE-NP
CE-FN
ME-SWB
-UZ · SZ
AX · 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
PC · HPD
E-FC · FD
ME-SWN
ME-HWN

■ Size, Impedance, Rated Ripple Current

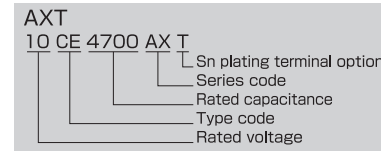
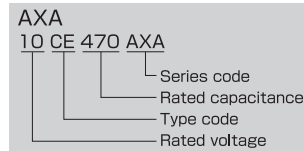
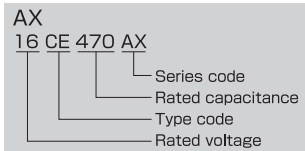
| μF \ V | 6.3 | | | 10 | | | 16 | | | 25 | | | 35 | | | 50 | | |
|--------|-----------|-------|------|-----------|-------|------|-----------|-------|------|-----------|-------|------|-----------|-------|------|-----------|-------|-----|
| 4.7 | | | | | | | | | | | | | 4x6.0 | 1.80 | 80 | 4x6.0 | 2.90 | 60 |
| 10 | | | | | | | | | | 4x6.0 | 1.80 | 80 | 5x6.0 | 0.76 | 150 | 6.3x6.0 | 0.88 | 165 |
| 15 | | | | | | | 4x6.0 | 1.80 | 80 | 5x6.0 | 0.76 | 150 | 5x6.0 | 0.76 | 150 | | | |
| 22 | | | | 4x6.0 | 1.80 | 80 | 5x6.0 | 0.76 | 150 | 5x6.0 | 0.76 | 150 | 5x6.0 | 0.76 | 150 | 6.3x6.0 | 0.88 | 165 |
| 27 | 4x6.0 | 1.80 | 80 | | | | | | | | | | | | | | | |
| 33 | → | | | 5x6.0 | 0.76 | 150 | → | | | 6.3x6.0 | 0.44 | 230 | 6.3x6.0 | 0.44 | 230 | 6.3x7.7 | 0.68 | 195 |
| 47 | 5x6.0 | 0.76 | 150 | → | | | 6.3x6.0 | 0.44 | 230 | 6.3x6.0 | 0.44 | 230 | 6.3x6.0 | 0.44 | 230 | 6.3x7.7 | 0.68 | 195 |
| 56 | 5x6.0 | 0.76 | 150 | | | | | | | 6.3x6.0 | 0.44 | 230 | | | | | | |
| 68 | → | | | 6.3x6.0 | 0.44 | 230 | 6.3x6.0 | 0.44 | 230 | 6.3x6.0 | 0.44 | 230 | 6.3x7.7 | 0.34 | 280 | | | |
| 100 | 6.3x6.0 | 0.44 | 230 | → | | | 6.3x6.0 | 0.44 | 230 | 6.3x7.7 | 0.34 | 280 | 8x10.2 | 0.17 | 450 | 8x10.2 | 0.39 | 300 |
| 150 | 6.3x6.0 | 0.44 | 230 | 6.3x6.0 | 0.44 | 230 | 6.3x7.7 | 0.34 | 280 | 8x10.2 | 0.17 | 450 | 8x10.2 | 0.17 | 450 | 10x10.2 | 0.21 | 450 |
| 220 | | | | | | | | | | → | | | 10x7.7 | 0.17 | 450 | | | |
| 220 | 6.3x6.0 | 0.44 | 230 | 6.3x7.7 | 0.34 | 280 | 6.3x7.7 | 0.34 | 280 | 8x10.2 | 0.17 | 450 | 8x10.2 | 0.17 | 450 | 10x10.2 | 0.21 | 450 |
| 330 | 6.3x7.7 | 0.34 | 280 | 8x10.2 | 0.17 | 450 | 8x10.2 | 0.17 | 450 | 8x10.2 | 0.17 | 450 | 10x10.2 | 0.090 | 670 | 12.5x13.5 | 0.14 | 620 |
| 330 | | | | → | | | 10x7.7 | 0.17 | 450 | | | | | | | | | |
| 390 | | | | | | | | | | | | | | | | 12.5x13.5 | 0.14 | 620 |
| 470 | 8x10.2 | 0.17 | 450 | 8x10.2 | 0.17 | 450 | 8x10.2 | 0.17 | 450 | 10x10.2 | 0.090 | 670 | 12.5x13.5 | 0.066 | 900 | | | |
| 470 | | | | 10x7.7 | 0.17 | 450 | | | | | | | | | | | | |
| 680 | 8x10.2 | 0.17 | 450 | → | | | 10x10.2 | 0.090 | 670 | | | | 12.5x13.5 | 0.066 | 900 | | | |
| 680 | 10x7.7 | 0.17 | 450 | | | | | | | | | | | | | | | |
| 1000 | 8x10.2 | 0.17 | 450 | 10x10.2 | 0.090 | 670 | | | | 12.5x13.5 | 0.066 | 900 | | | | 16x16.5 | 0.078 | 790 |
| 1500 | 10x10.2 | 0.090 | 670 | | | | 12.5x13.5 | 0.066 | 900 | | | | 16x16.5 | 0.052 | 1250 | | | |
| 2200 | | | | 12.5x13.5 | 0.066 | 900 | | | | 16x16.5 | 0.052 | 1250 | | | | | | |
| 3300 | 12.5x13.5 | 0.066 | 900 | | | | 16x16.5 | 0.052 | 1250 | | | | | | | | | |
| 4700 | | | | 16x16.5 | 0.052 | 1250 | | | | | | | | | | | | |
| 6800 | 16x16.5 | 0.052 | 1250 | | | | | | | | | | | | | | | |

→Please use the higher voltage model in the next.
Please refer to page 15 for ripple current frequency coefficients.

Case size:φDxL(mm)
10x7.7:CE-AXA
16x16.5:CE-AXT

Rated ripple current
mA rms (100kHz, 105°C)
Impedance(Ω)
max at 100kHz, 20°C

■ Part number



Aluminum Electrolytic
Capacitors
Surface
Mount Type

- 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

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[RST220UF25V019](#) [RSL220UF25V021](#) [XT10UF25V90RV0068](#) [FZ100UF50V90RV0066](#) [RST100UF16V003](#) [XT100UF10V90RV0060](#)
[XT100UF16V90RV0061](#)