## Features

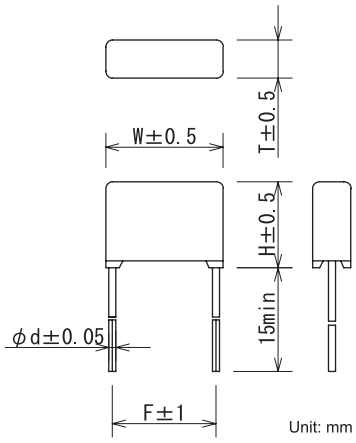
- Best performance series in most popular configurations.
- Dielectric withstand voltage twice safety agency requirement.
- High dv/dt, surge resistance and I/R ratings.
- IEC60384-14II class X1.

## Applications

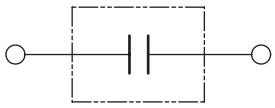
- Designed mainly for suppressing noise occurring in applications, such as DC motors for power tools and power supplies of electrical products.

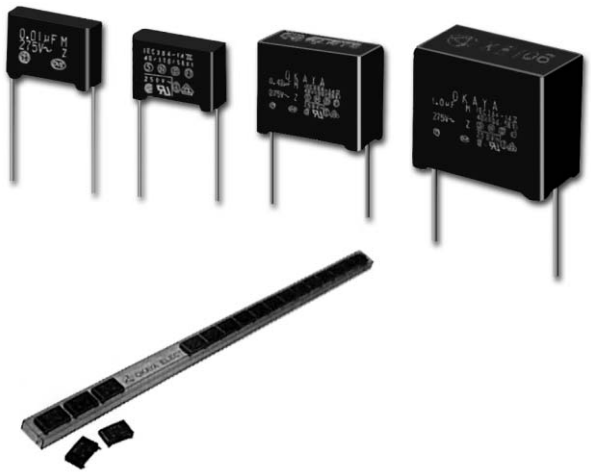
| Safety Agency : Standard | | File No. |
|---|---|---|
| UL : UL-1414 | 102~105 | E47474 |
| CSA : C22.2 No.0,1 | 102~105 | LR37404,LR104926 |
| VDE : IEC60384-14II, EN132400 | 102~682 | 89708 |
| | 102~105 | 89793,94712 |
| SEMKO : IEC60384-14II, EN132400 | 102~682 | 9433161-01 |
| | 102~105 | 9538058-01 |
| NEMKO : IEC60384-14II, EN132400 | 102~682 | P95100574 |
| | 102~105 | P95100185,P95103746 |
| DEMKO : IEC60384-14II, EN132400 | 102~682 | 303419 |
| | 102~105 | 303214,304714 |
| FIMKO : IEC60384-14II, EN132400 | 102~682 | 180681-01 |
| | 102~105 | 179796-01,186158-01 |
| SEV : IEC60384-14II, EN132400 | 102~682 | 94,1 00826,03 |
| | 102~105 | 94,1 00826,04, 95,7 71212,01 |
| OVE : IEC60384-14II, EN132400 | 102~105 | 5429-211-03 |
| IMQ : IEC60384-14II, EN132400 | 102~682 | 4048 |
| | 102~105 | 4047 |

*Dimensions*




*Circuit*





## Electrical Specifications

Rated Voltage 275VAC (UL, CSA: 250V)

| Safety Agency | Class | Model Number | Capacitance μF±20% | Dimensions W | H | T | F | d | Dissipation Factor | Test Voltage | | Insulation Resistance | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VDE | X1 · Y2 | XE102-Z | 0.001 | 17.0 | 12.5 | 5.5 | 15.0 | 0.8 | 0.01max (at 1kHz) | Line to Line 2000Vrms 50/60Hz 60sec | Line to Ground 2000Vrms 50/60Hz 60sec | Line to Line 15000MΩ min (at 500VDC) | Line to Ground 100000MΩ min (at 500VDC) |
| | | XE152-Z | 0.0015 | | | | | | | | | | |
| | | XE222-Z | 0.0022 | | | | | | | | | | |
| | | XE332-Z | 0.0033 | | | | | | | | | | |
| | | XE472-Z | 0.0047 | | | | | | | | | | |
| | | XE682-Z | 0.0068 | | | | | | | | | | |
| SEMKO NEMKO DEMKO FIMKO SEV OVE IMQ | X1 | XE103-Z | 0.01 | | 12.0 | 5.0 | | 0.6 | | Line to Line 1250Vrms 50/60Hz 60sec | | | |
| | | XE153-Z | 0.015 | | | | | | | | | | |
| | | XE223-Z | 0.022 | | | | | | | | | | |
| | | XE333-Z | 0.033 | | 12.5 | 5.5 | | 0.8 | | | | | |
| | | XE473-Z | 0.047 | | 13.5 | 6.5 | | | | | | | |
| | | XE683-Z | 0.068 | | 15.0 | 8.0 | | | | | | | |
| | | XE104-Z | 0.1 | 25.0 | 16.0 | 6.5 | 22.5 | | | | | | |
| | | XE154-Z | 0.15 | 25.0 | 17.5 | 8.0 | | | | | | | |
| | | XE224-Z | 0.22 | 25.0 | 19.5 | 10.0 | | | | | | | |
| | | XE334-Z | 0.33 | 30.0 | 22.0 | 11.0 | 27.5 | | | | | | |
| | | XE474-Z | 0.47 | 30.0 | 24.5 | 13.5 | | | | | | Line to Line 5000Ω·F min (at 500VDC) | |
| | | XE684-Z | 0.68 | 30.5 | 28.0 | 16.5 | | 1.0 | | | | | |
| | | XE105-Z | 1.0 | 36.0 | 30.5 | 20.0 | 32.5 | 1.0 | | | | | |

Operating Temperature: -40~+100℃