# XE-Z SERIES NOISE SUPPRESSION CAPACITOR

OKAYA

## Features

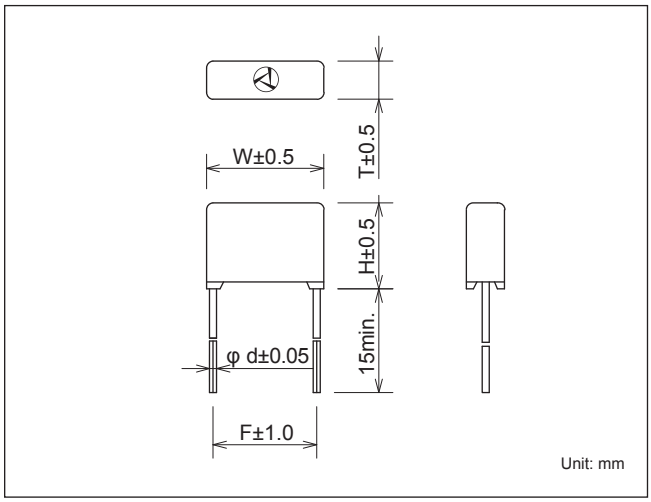
- Best performance series in most popular configurations.
- Dielectric withstand voltage twice safety agency requirement.
- High dv/dt, surge resistance and I/R ratings.
- IEC/EN 60384-14: 2005 class X1.

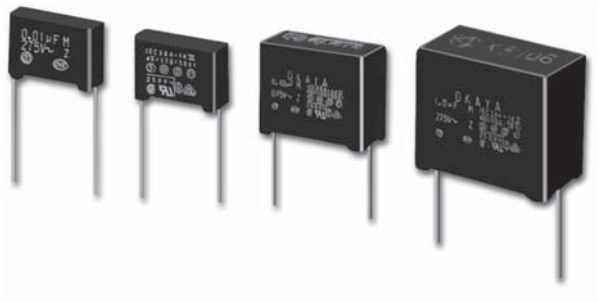
## Applications

- Designed mainly for suppressing noise occurring in power line of electrical appliances.

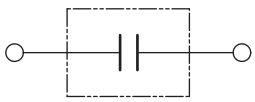
| Safety Standard | | | File No. |
|---|---|---|---|
| UL | :UL60384-14 | | E47474 |
| cUL | :CSA E60384-14 | | E47474 |
| CSA | :CSA E60384-14 | | LR37404, LR104926 |
| VDE | :IEC/EN 60384-14 | | 40021020 |
| SEMKO | :IEC/EN 60384-14 | | 1021983 |
| NEMKO | :IEC/EN 60384-14 | | P10213515 |
| DEMKO | :IEC/EN 60384-14 | | 315532-01 |
| FIMKO | :IEC/EN 60384-14 | | FI 26476 |
| Electrosuisse | :IEC/EN 60384-14 | | 12.0477 |
| ÖVE | :IEC/EN 60384-14 | | 20938-003-03 |
| IMQ | :IEC/EN 60384-14 | 102~682 | V4048 |
| | | 102~105 | V4047 |

- *Dimensions*

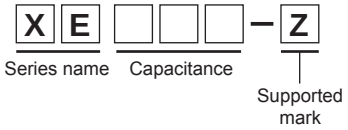


- *Circuit*



- Model numbering system




## Electrical Specifications

**Rated Voltage 275Vac (UL, CSA: 250Vac)**

| Safety Standard | Class | Model Number | Capacitance μF±20% | Dimensions W | H | T | F | d | Dissipation Factor | Test Voltage | | Insulation Resistance | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| cULus, SEMKO, NEMKO, DEMKO, FIMKO, Electrosuisse, ÖVE, IMQ | X1 and Y2* | XE102-Z | 0.001 | 17.0 | 12.5 | 5.5 | 15.0 | 0.8 | 0.01max. (at 1kHz) | Line to Line 2,000Vac 50/60Hz 60sec | Line to Case 2,000Vac 50/60Hz 60sec | Line to Line 15,000MΩmin. (at 500Vdc) | Line to Case 100,000MΩmin. (at 500Vdc) |
| | | XE152-Z | 0.0015 | | | | | | | | | | |
| | | XE222-Z | 0.0022 | | | | | | | | | | |
| | | XE332-Z | 0.0033 | | | | | | | | | | |
| | | XE472-Z | 0.0047 | | | | | | | | | | |
| | | XE682-Z | 0.0068 | | | | | | | | | | |
| | X1 | XE103-Z | 0.01 | | 12.0 | 5.0 | | 0.6 | | Line to Line 1,250Vac 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 | | 17.5 | 8.0 | | | | | | | |
| | | XE224-Z | 0.22 | | 19.5 | 10.0 | | | | | | | |
| | | XE334-Z | 0.33 | 30.0 | 22.0 | 11.0 | 27.5 | | | | | Line to Line 5,000Ω•Fmin. (at 500Vdc) | |
| | | XE474-Z | 0.47 | | 24.5 | 13.5 | | | | | | | |
| | | XE684-Z | 0.68 | 30.5 | 28.0 | 16.5 | | 1.0 | | | | | |
| | | XE105-Z | 1.0 | 36.0 | 30.5 | 20.0 | 32.5 | | | | | | |

Operating Temperature:-40~+100°C
*Rated voltage of Y2 is 250Vac.