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### Features

- Various safety approval.
- Compact size.
- AC or DC applications.
- Good peak pulse withstand capability.

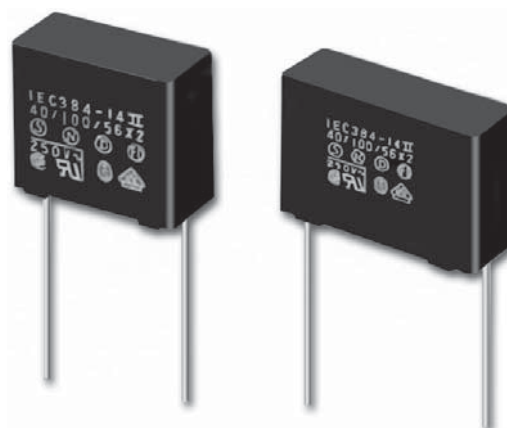
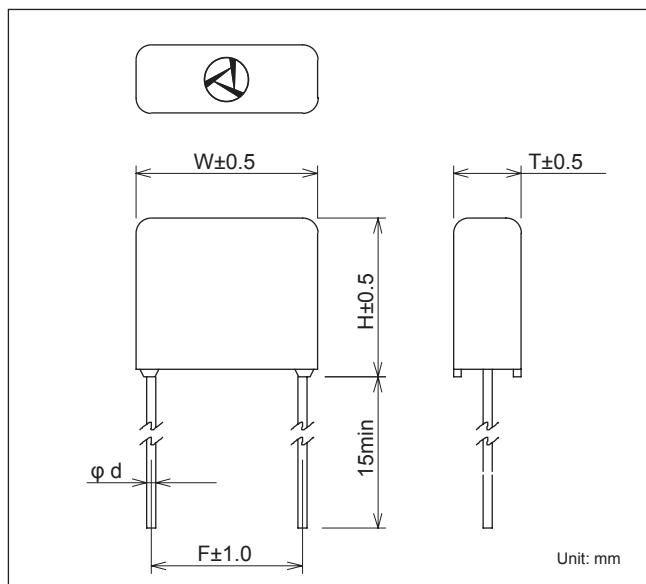
### Applications

- Suppressing mechanical switching surge occurring Automatic machines and Office appliances.



| Safety Standard |                        | File No.          |
|-----------------|------------------------|-------------------|
| UL              | :UL1414                | E47474            |
| CSA             | :C22.2 No.1            | LR37404, LR104926 |
| VDE             | :IEC/EN 60384-14: 2005 | 40024027          |
| SEMKO           | :IEC/EN 60384-14: 2005 | 707523            |
| NEMKO           | :IEC/EN 60384-14: 2005 | P07208382         |
| DEMKO           | :IEC/EN 60384-14: 2005 | 314361-01         |
| FIMKO           | :IEC/EN 60384-14: 2005 | FI 23654          |
| SEV             | :IEC/EN 60384-14: 2005 | 08.0016           |

### Dimensions



### Circuit



### Model numbering system

| Series Name                                  | Resistance | Capacitance        |
|----------------------------------------------|------------|--------------------|
| <b>R</b> <b>E</b> <b>1</b> <b>2</b> <b>0</b> |            |                    |
|                                              |            | <b>01</b> 0.01μF   |
|                                              |            | <b>033</b> 0.033μF |
|                                              |            | <b>1</b> 0.1μF     |
|                                              |            | <b>2</b> 0.2μF     |

### Electrical Specifications

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

| Safety Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Class | Model Number | Capacitance<br>μF±20% | Resistance<br>Ω±30% | Dimensions |      |     |      |          | Pulse condition (max.) |             |                      |                                   | Peak Pulse Voltage | Test Voltage                                                                           | Insulation Resistance                                                                     |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|-----------------------|---------------------|------------|------|-----|------|----------|------------------------|-------------|----------------------|-----------------------------------|--------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--|--|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |              |                       |                     | W          | H    | T   | F    | d        | Peak to peak           | Pulse width | Repetitive frequency | Pulse width (sec) x Frequency(Hz) |                    |                                                                                        |                                                                                           |  |  |  |
|         | X2    | RE12001      | 0.01                  | 120(1/4W)           | 16.0       | 13.5 | 6.0 | 14.0 | 0.6±0.05 | 800V                   | 50msec      | 120Hz                | 1.5                               | 1,200V max.        | Line to Line<br>1,000VAC<br>50/60Hz 60sec<br>Line to Case<br>2,000VAC<br>50/60Hz 60sec | Line to Line<br>15,000MΩmin<br>(at 100VDC)<br>Line to Case<br>100,000MΩmin<br>(at 100VDC) |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | RE120033     | 0.033                 |                     |            |      |     |      |          |                        |             |                      | 1.0                               |                    |                                                                                        |                                                                                           |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | RE1201       | 0.1                   | 120(1/2W)           | 17.0       | 15.5 | 8.0 | 15.0 | 0.8±0.07 |                        |             |                      | 0.45                              |                    |                                                                                        |                                                                                           |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | RE1202       | 0.2                   |                     | 24.5       | 17.0 | 8.5 | 22.5 |          |                        |             |                      | 0.15                              |                    |                                                                                        |                                                                                           |  |  |  |

Operating Temperature: -40~+100°C