



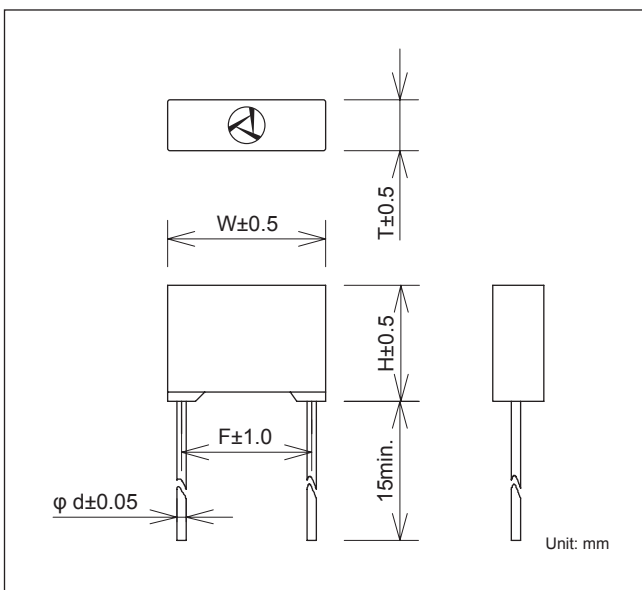
**Features**

- 500VAC rated capacitor designed for use in high voltage system.

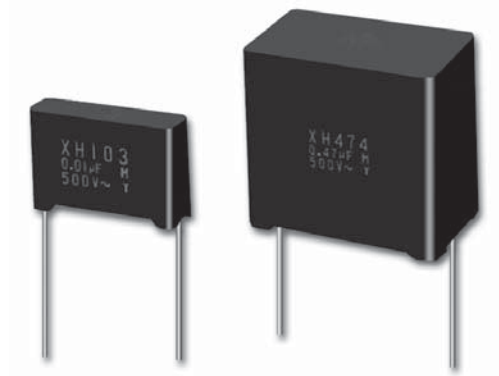
**Applications**

- Suppressing noise occurring in large power systems, such as 3 phase 500VAC inverters, and welding machines.

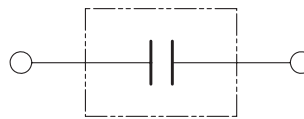
**Dimensions**



| Safety Standard |                        | File No. |
|-----------------|------------------------|----------|
| UL              | :UL1283                | E78644   |
| TÜV             | :IEC/EN 60384-14: 2005 | J9650619 |



**Circuit**



**Model numbering system**



**Electrical Specifications**

Rated Voltage **500VAC**

| Safety Standard | Class | Model Number | Capacitance $\mu\text{F}\pm 20\%$ | Dimensions |      |      |      |     | Dissipation Factor | Test Voltage                                 |  | Insulation Resistance                                 |                             |
|-----------------|-------|--------------|-----------------------------------|------------|------|------|------|-----|--------------------|--|--|---|-----------------------------|
|                 |       |              |                                   | W          | H    | T    | F    | d   |                    | Line to Line                                 | Line to Case   | Line to Line  | Line to Case                |
| <br>            | X1    | XH102        | 0.001                             | 17.0       | 12.5 | 5.5  | 15.0 | 0.8 | 0.01max. (at 1kHz) | Line to Line<br>2,200VAC<br>50/60Hz<br>60sec | Line to Line<br>15,000M $\Omega$ min.<br>(at 500VDC) | Line to Case<br>100,000M $\Omega$ min.<br>(at 500VDC) |                             |
|                 |       | XH152        | 0.0015                            |            |      |      |      |     |                    |  |  |   |                             |
|                 |       | XH222        | 0.0022                            |            |      |      |      |     |                    |  |  |   |                             |
|                 |       | XH332        | 0.0033                            |            |      |      |      |     |                    |  |  |   |                             |
|                 |       | XH472        | 0.0047                            |            |      |      |      |     |                    |  |  |   |                             |
|                 |       | XH682        | 0.0068                            |            |      |      |      |     |                    |  |  |   |                             |
|                 | X2    | XH103        | 0.01                              | 25.0       | 16.0 | 6.5  | 22.5 |     | 1.0                | Line to Line<br>2,000VAC<br>50/60Hz<br>60sec | Line to Case<br>2,200VAC<br>50/60Hz<br>60sec         | Line to Line<br>5,000M $\Omega$ •Fmin.<br>(at 500VDC) | Line to Case<br>(at 500VDC) |
|                 |       | XH153        | 0.015                             |            |      |      |      |     |                    |  |  |   |                             |
|                 |       | XH223        | 0.022                             |            |      |      |      |     |                    |  |  |   |                             |
|                 |       | XH333        | 0.033                             |            |      |      |      |     |                    |  |  |   |                             |
|                 |       | XH473        | 0.047                             | 19.5       | 10.0 | 27.5 |      |     |                    |  |  |   |                             |
|                 |       | XH683        | 0.068                             |            |      |      |      |     |                    |  |  |   |                             |
|                 |       | XH104        | 0.1                               | 30.0       | 24.5 | 13.5 | 27.5 |     |                    |  |  |   |                             |
|                 |       | XH154        | 0.15                              |            |      |      |      |     |                    |  |  |   |                             |
| XH224           | 0.22  | 31.0         | 28.0                              | 16.0       | 32.5 |      |      |     |                    |  |  |   |                             |
| XH334           | 0.33  |              |                                   |            |      |      |      |     |                    |  |  |   |                             |
| XH474           | 0.47  | 36.0         | 33.5                              | 22.0       | 32.5 |      |      |     |                    |  |  |   |                             |

Operating Temperature: -40~+100°C