

# EMI/EMC FILTER

## CA5 SERIES



### FEATURES

- Remarkable attenuation for high voltage impulse.
- Good shield effect by using metal case.
- Excellent filtering characteristics for both differential mode and common mode.
- Bidirectional structure effective for both noise from outside and internally generated.

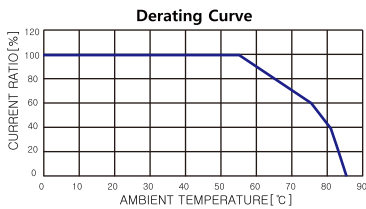
### APPLICATIONS

- Digital equipments.
- Personal computers and peripherals.
- Measuring instruments, medical instruments.
- For use in miniature equipment.
- Suitable for FA equipments.

### SPECIFICATIONS

| Model        | Rated Voltage<br>(AC,DC) | Rated<br>Current | Leakage Current<br>(250V AC) | Operating<br>Temperature                        |
|--------------|--------------------------|------------------|------------------------------|-------------------------------------------------|
| CA5-W22, V22 | 250V                     | 1.5A             | 0.35mA max.                  | -25°C to +85°C<br>Including<br>temperature rise |
| CA5-W23, V23 |                          |                  | 0.5mA max.                   |                                                 |
| CA5-W32, V32 |                          |                  | 0.35mA max.                  |                                                 |
| CA5-W33, V33 | 250V                     | 3A               | 0.5mA max.                   |                                                 |
| CA5-W42, V42 |                          |                  | 0.35mA max.                  |                                                 |
| CA5-W43, V43 |                          |                  | 0.5mA max.                   |                                                 |

Note : Test Voltage : 1500V AC one minute, line to earth.  
Insulation Resistance : 300 Mohm min. at DC 500V.  
Voltage Drop : 1V max. at rated current.  
Weight : W2+ : 87g, W3+ : 90g, W4+ : 93g.

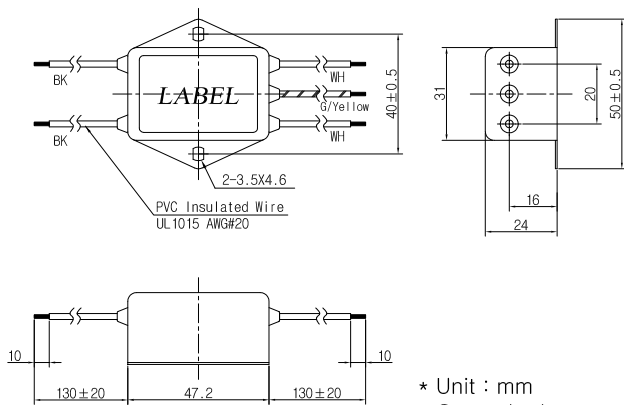


#### ■ Model Number Construction

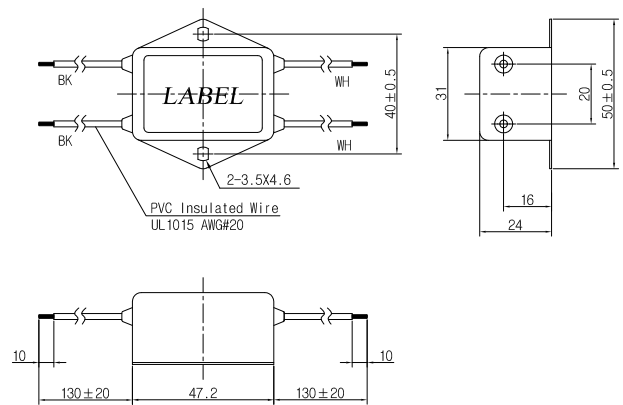
| CA5                                                 | W                                                                                 | 2                                                                  | 2                                                  |
|-----------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------|
|                                                     |                                                                                   |                                                                    |                                                    |
| Series Description<br>Screw Mounting/<br>Metal case | Input/Output<br>Terminal style<br>W : Without ground wire<br>V : With ground wire | Current Rating:AC rms<br>2 : 1.5 amp<br>3 : 3.0 amp<br>4 : 5.0 amp | Line-Gnd. Cap. Value<br>2 : 2200 pF<br>3 : 3300 pF |

## Shapes and Dimensions

### \* CA5-V\*\*



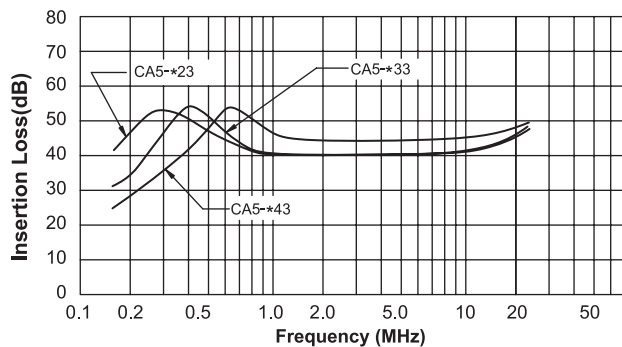
### \* CA5-W\*\*



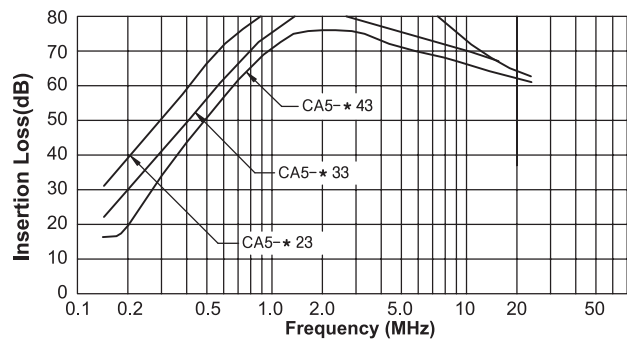
- \* Unit : mm
- \* General tolerance : ±1.0
- \* Metal Case
- \* Special wire length can be ordered

## Attenuation Characteristics

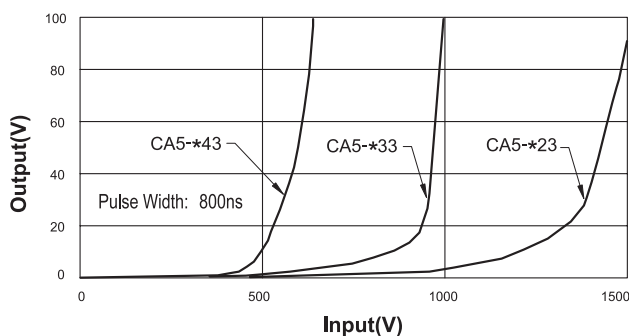
### ● Common Mode



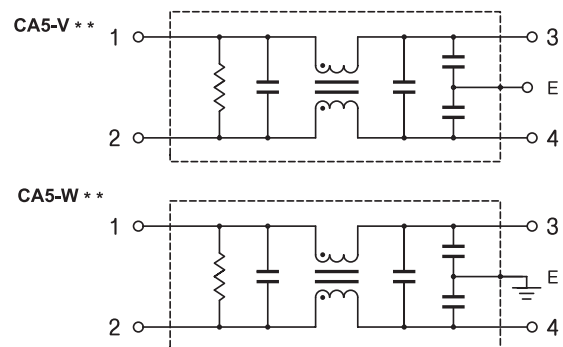
### ● Differential Mode



### ● Impulse Characteristics



### ● Circuit Diagram



### ● Measurement configuration

