

### Fixed Attenuator Chip

- ◆ DC to 18 GHz
- ◆ 6 dB
- ◆ 1.5W

#### Features

- Thin film
- High attenuation accuracy
- Small VSWR
- Ceramic chip: 99% Aluminum nitride
- Laser trimmed
- Low cost-high performance

#### Model No. Description

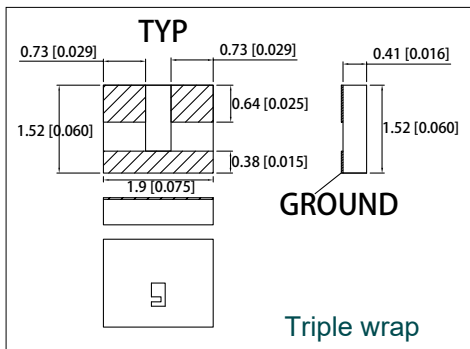
FACXXXXP

XX- attenuation: \*\*dB.

XX- frequency range 06: DC to 6GHz  
 10: DC to 10GHz  
 12: DC to 12.4GHz  
 18: DC to 18GHz  
 26: DC to 26.5GHz.

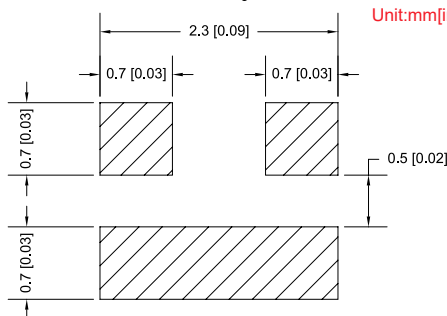
#### Package Outlines

Unit:inch[mm]



#### Recommended Layout

Unit:mm[inch]



#### Specifications

|                                 |  |
|---------------------------------|--|
| Frequency Range                 | DC to 18 GHz   |
| Attenuation                     | 6 dB   |
| Attenuation Accuracy (Typical.) | ±0.5 dB DC to 4 GHz<br>+ 0.5 dB 4 to 8 GHz<br>+ 0.75 dB 8 to 12.4 GHz<br>+ 1.0 dB 12.4 to 18 GHz |
| Attenuation Stability           | 0.0001 dB/dB/°C  |
| Nominal Impedance               | 50 Ohm   |
| Rated Input Power               | 1.5W   |
| Operating Temperature           | -55 °C to +150 °C  |

| FREQ. RANGE (GHz) | VSWR(:1) MAX |
|-------------------|--------------|
| DC to 4           | 1.10         |
| 4 to 8            | 1.20         |
| 8 to 12.4         | 1.30         |
| 12.4 to 18        | 1.45         |

#### Material Specification

|           |  |
|-----------|--|
| substrate | 99% Aluminum nitride                   |
| terminal  | Gold over Tiw<br>Gold thickness : 3 μm |
| resistor  | Tantalum nitride thin film             |

#### Average Power Derating Curve

