

### Fixed Attenuator Chip

- ◆ DC to 18 GHz
- ◆ 10 dB
- ◆ 1.5W

#### Features

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

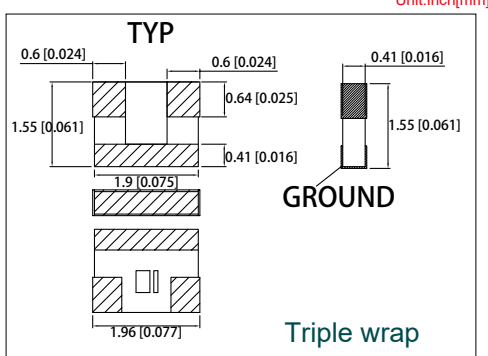
#### Model No. Description

FACXXXXP

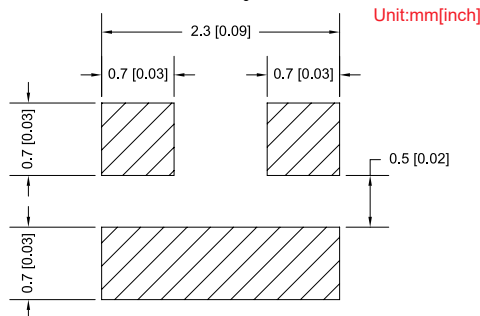
XX- attenuation: \*\*dB.

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



#### Recommended Layout



#### Specifications

Frequency Range	DC to 18 GHz
Attenuation	10 dB
Attenuation Accuracy (Typical.)	±0.5 dB DC to 4 GHz + 0.5 dB 4 to 8 GHz + 0.75 dB 8 to 12.4 GHz + 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) Typical
DC to 4	1.05
4 to 8	1.20
8 to 12.4	1.25
12.4 to 18	1.40

#### Material Specification

substrate	99% Aluminum nitride
terminal	Gold over Tiw Gold thickness : 3 μm
resistor	Tantalum nitride thin film

#### Average Power Derating Curve

