

### Fixed Attenuator Chip

- ◆ DC to 18 GHz
- ◆ 4 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

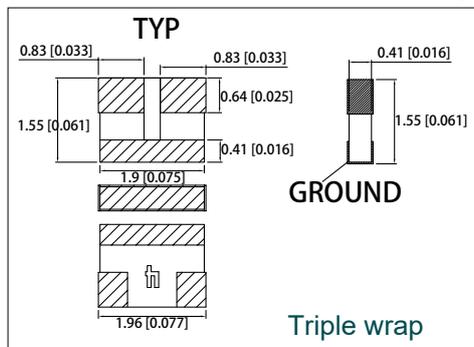
FACXXXXP

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.

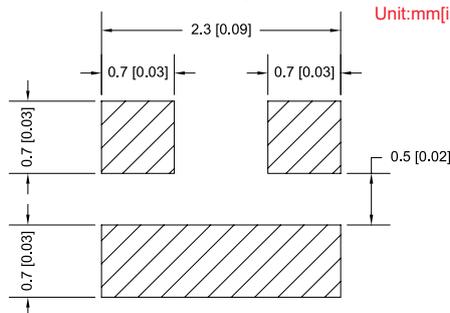
#### Package Outlines

Unit:inch[mm]



#### Recommended Layout

Unit:mm[inch]



#### Specifications

Frequency Range	DC to 18 GHz
Attenuation	4 dB
Attenuation Accuracy (Typical.)	±0.5 dB DC to 4 GHz + 0.5 dB 4 to 8 GHz + 0.5 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	1.10
4 to 8	1.15
8 to 12.4	1.20
12.4 to 18	1.45

#### Material Specification

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

#### Average Power Derating Curve

