

### Fixed Attenuator Chip

- ◆ DC to 18 GHz
- ◆ 3 dB
- ◆ 2 W

#### Features

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

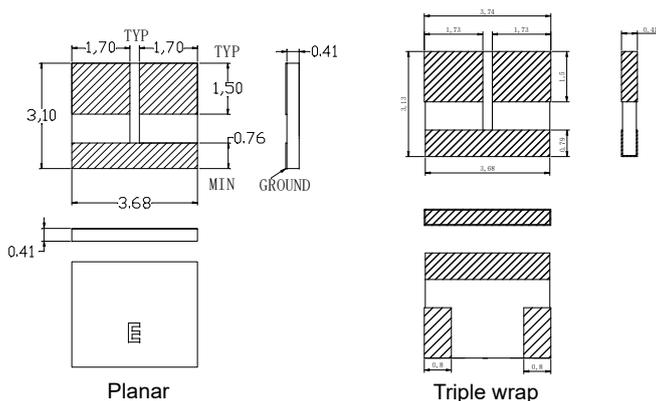
#### Model No. Description

FACXXXX

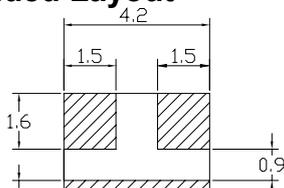
- X- Soldering method A or B or C
- XX- attenuation: \*\*dB.
- XX- frequency range 06: DC to 6GHz
- 10: DC to 10GHz
- 12: DC to 12.4GHz
- 18: DC to 18GHz
- 26: DC to 26.5GHz.

- A:for wire-bonding
- B:for lead free reflow
- C:for triple wrap

#### Package Outlines



#### Recommended Layout



#### Specifications

Frequency Range	DC to 18 GHz
Attenuation	3 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	2 W
Operating Temperature	-55 °C to +150 °C

FREQ. RANGE (GHz)	VSWR(:1) Typical
DC to 4	1.05
4 to 8	1.10
8 to 12.4	1.15
12.4 to 18	1.40

#### Material Specification

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

#### Average Power Derating Curve

