

Fixed Attenuator Chip

- ◆ DC to 20 GHz
- ◆ 1 dB
- ◆ 200mW

Features

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

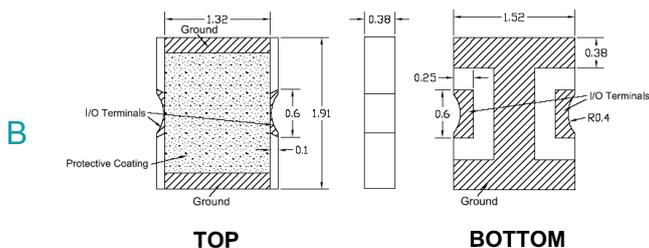
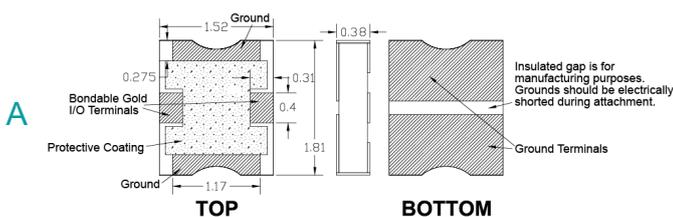
Model No. Description

FACXXXXX

- X - Soldering method A or B
- 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(Wrap ground)
- B:for lead free reflow(Triple wrap)

Package Outlines



Note: all dimensions shown in mm

Specifications

Frequency Range	DC to 20 GHz
Attenuation	1 dB
Attenuation Accuracy (Typical.)	±0.5 dB DC to 8.5GHz
	+ 0.5 dB 8.5 to 12.4 GHz
	+ 0.5 dB 12.4 to 18 GHz
	+ 1.0 dB 18 to 20 GHz
Attenuation Stability	0.0001 dB/dB/°C
Nominal Impedance	50 Ohm
Rated Input Power	200mW
Operating Temperature	-55 °C to +150 °C

FREQ. RANGE (GHz)	VSWR(:1) Typical
DC to 8.5	1.05
8.5 to 12.4	1.10
12.4 to 18	1.15
18 to 20	1.40

Material Specification

substrate	99% alumina
terminal	Gold over Tiw Gold thickness : 3 μ m
resistor	Tantalum nitride thick film

Average Power Derating Curve

