

Fixed Attenuator Chip

- ◆ DC to 20 GHz
- ◆ 2 dB
- ◆ 200mW

Features

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

Specifications

| | |
|---------------------------------|--|
| Frequency Range | DC to 20 GHz |
| Attenuation | 2 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 |

Model No. Description

FACXXXXX

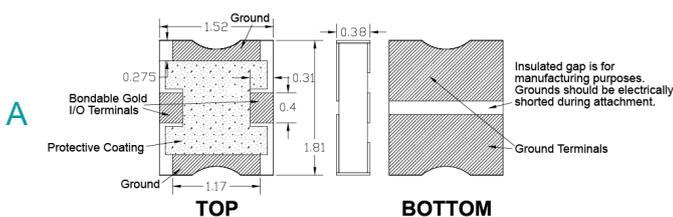
- X - Soldering method A or B
- XX- attenuation: **dB.
- XX- frequency range 06: DC to 6GHz
10: DC to 10GHz
12: DC to 12.4GHz
18: DC to 18GHz
26: DC to 26.5GHz.

A:for wire-bonding(Wrap ground)

B:for lead free reflow(Triple wrap)

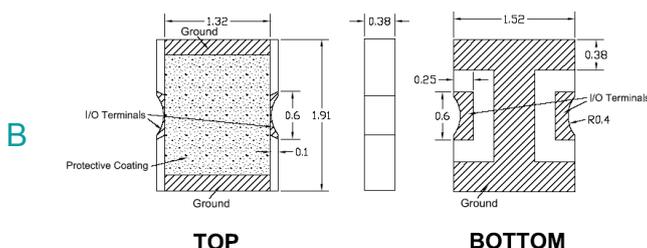
| FREQ. RANGE (GHz) | VSWR(:1) Typical |
|-------------------|------------------|
| DC to 8.5 | 1.05 |
| 8.5 to 12.4 | 1.10 |
| 12.4 to 18 | 1.15 |
| 18 to 20 | 1.40 |

Package Outlines

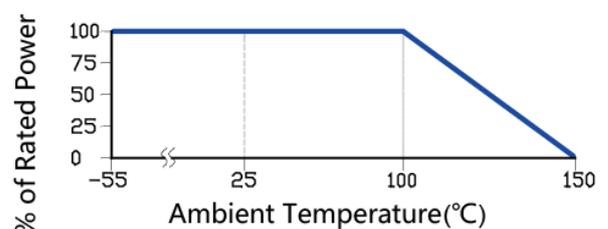


Material Specification

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



Average Power Derating Curve



Note: all dimensions shown in mm