

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

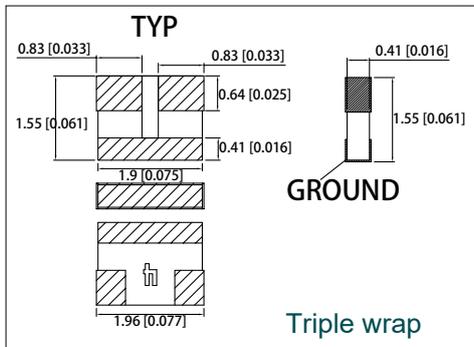
FACXXXXP

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.

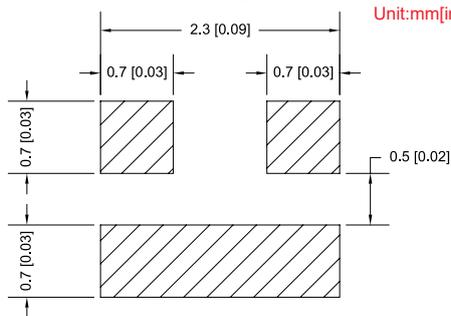
Package Outlines

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

