

Fixed Attenuator Chip

- ◆ DC to 18 GHz
- ◆ 2 dB
- ◆ 2 W

Features

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

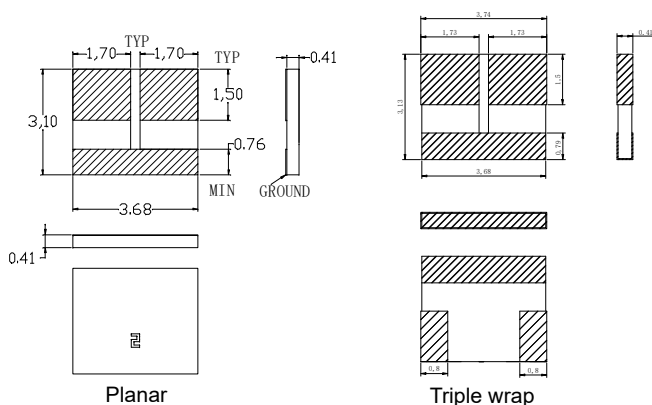
Model No. Description

FACXXXXX

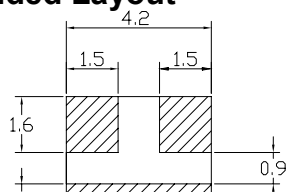
X - Soldering method A or B C
XX - attenuation: **dB.
XX - frequency range 06: DC to 6GHz
 10: DC to 10GHz
 12: DC to 12.4GHz
 18: DC to 18GHz
 26: DC to 26.5GHz.

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	2 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 μ m
resistor	Tantalum nitride thin film

Average Power Derating Curve

