

Fixed Attenuator Chip

- ◆ DC to 26.5 GHz
- ◆ 3 dB
- ◆ 200mW

Features

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

Model No. Description

FACXXXXX

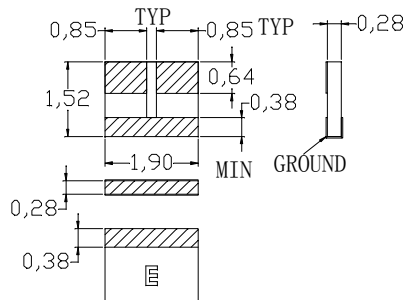
X - Soldering method A or B
XX - attenuation: **dB.

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.

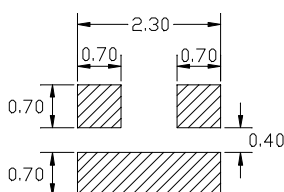
Soldering method A: The gold terminals in this series are just designed to use wire-bonding application.

Soldering method B: The gold terminals in this series are just designed to use lead free reflow application.

Package Outlines



Recommended Layout



Note: all dimensions shown in mm

Specifications

Frequency Range	DC to 26.5GHz
Attenuation	3 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 26.5 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 26.5	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

