

### Fixed Attenuator Chip

- ◆ DC to 18 GHz
- ◆ 1 dB
- ◆ 200mW

#### Features

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

#### Model No. Description

FACXXXXX

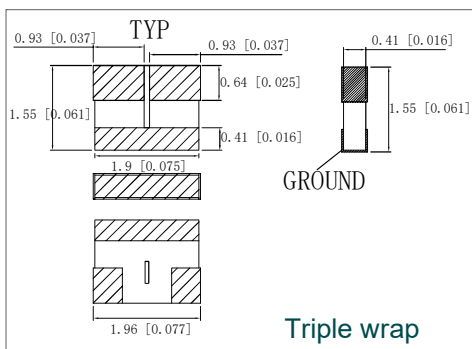
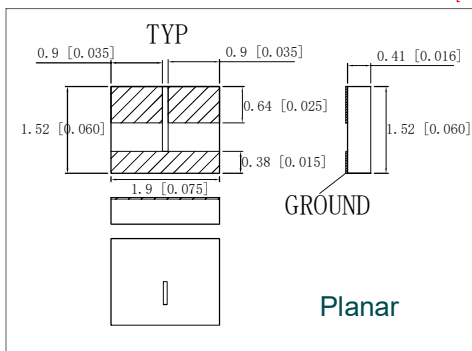
X - Soldering method A,B or C  
 XX- attenuation: \*\*dB.

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 reflow

#### Package Outlines

Unit:inch[mm]



### Specifications

Frequency Range	DC to 18 GHz
Attenuation	1 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 + 0.8 dB 12.4 to 18 GHz
Attenuation Stability	0.0001 dB/dB/°C
Nominal Impedance	50 Ohm
Rated Input Power	200mW
Operating Temperature	-55 °C to +150 °C

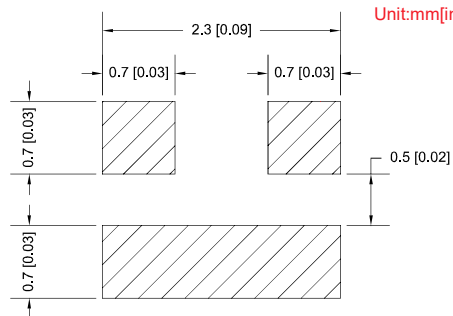
FREQ. RANGE (GHz)	VSWR(:1) Typical
DC to 4	1.05
4 to 8	1.10
8 to 12.4	1.15
12.4 to 18	1.40

### Material Specification

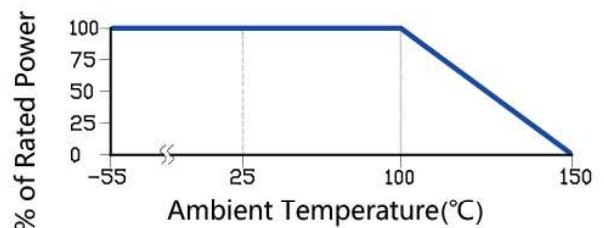
substrate	99% alumina
terminal	Gold over Tiw Gold thickness : 3 μm
resistor	Tantalum nitride thin film

### Recommended Layout

Unit:mm[inch]



### Average Power Derating Curve



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For detailed performance specs & shopping online see Yantel web site : [www.yantel-corp.com](http://www.yantel-corp.com)