

### 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

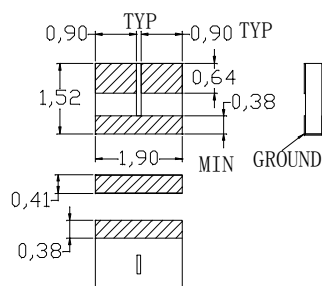
FACXXXXX

- X - Soldering method A 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.

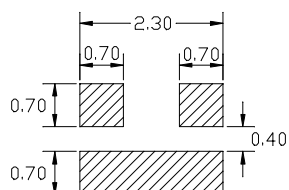
Soldering method A: The gold terminals in this series are just designed to use wire-bonding application.

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

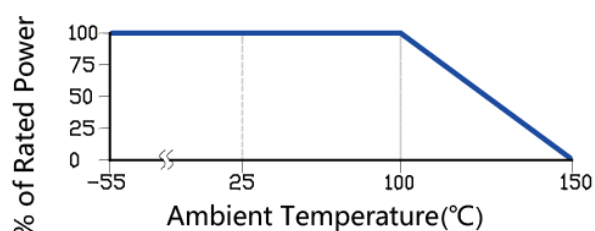
Frequency Range	DC to 18 GHz
Attenuation	1 dB
Attenuation Accuracy (Typical.)	$\pm 0.5$ dB DC to 4 GHz $+ 0.5$ dB 4 to 8 GHz $+ 0.5$ dB 8 to 12.4 GHz $+ 0.8$ dB 12.4 to 18 GHz
Attenuation Stability	0.0001 dB/dB/°C
Nominal Impedance	50 Ohm
Rated Input Power	200mW
Operating Temperature	-55 °C to +150 °C

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 $\mu$ m
resistor	Tantalum nitride thin film

#### 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)