FAC2601X
Fixed Attenuator Chip

Fixed Attenuator Chip

- **DC to 26.5 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

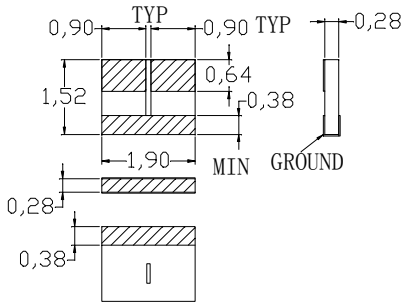
FACXXXXX

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.

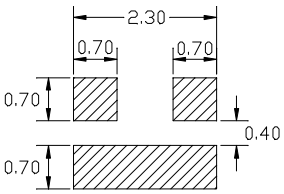
Soldering method A:The gold terminals in this series are just designed to use wire-boning application.

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

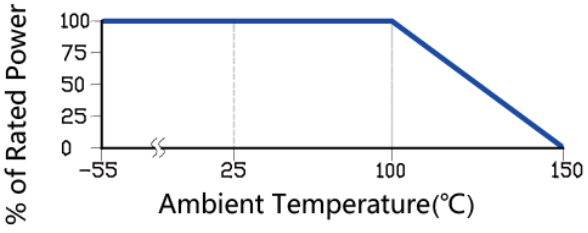
Frequency Range	DC to 26.5 GHz
Attenuation	1 dB
Attenuation Accuracy（Typical.）	
	±0.5 dB DC to 8.5 GHz
	+ 0.5 dB 8.5 to 12.4 GHz
	+ 0.5 dB 12.4 to 18 GHz
	+ 1.0 dB 18 to 26.5 GHz
Attenuation Stability	0.0001 dB/dB/℃
Nominal Impedance	50 Ohm
Rated Input Power	200mW
Operating Temperature	-55 ℃ to +150 ℃

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 : 3μm
resistor	Tantalum nitride thin film

Average Power Derating Curve



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