FAC1802N
Fixed Attenuator Chip

Fixed Attenuator Chip

- ◆ DC to 18 GHz
- ◆ 2 dB
- ◆ 1.5W

Features

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

Model No. Description

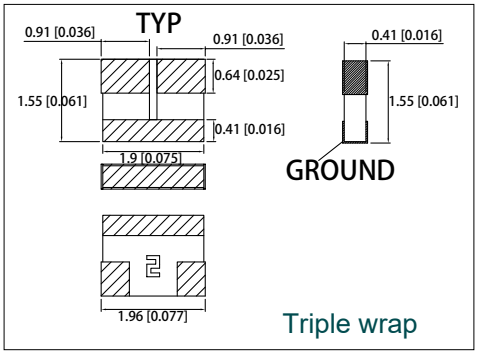
FACXXXXP

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.

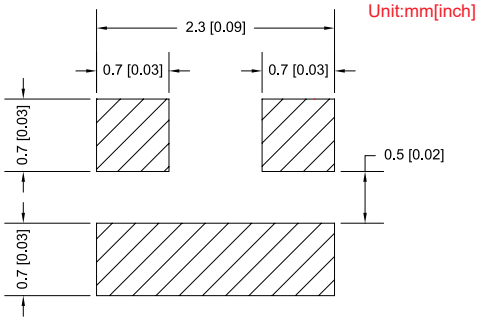
Package Outlines

Unit:inch[mm]



Recommended Layout

Unit:mm[inch]

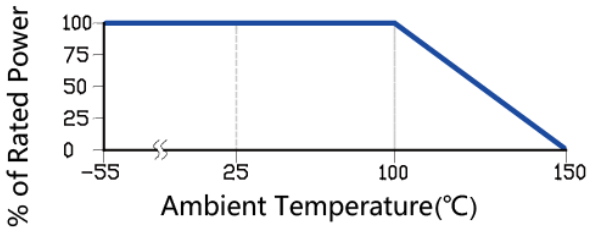


Specifications

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/℃
Nominal Impedance	50 Ohm
Rated Input Power	1.5W
Operating Temperature	-55 ℃ to +150 ℃

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% Aluminum nitride
terminal	Gold over Tiw Gold thickness：3μm
resistor	Tantalum nitride thin film

Average Power Derating Curve