

## Fixed Attenuator Chip

- ◆ DC to 43.5GHz
- ◆ 30dB
- ◆ 1 W



### Features

- Adopting advance GaAs technology
- Excellent attenuation accuracy & phase balance
- High ESD level
- Low VSWR
- Die Package

### Model No. Description

FACXXXX

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.

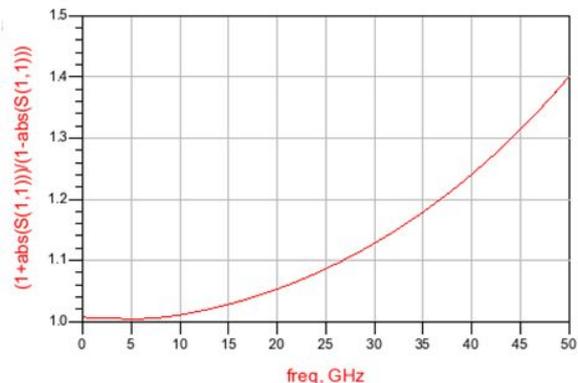
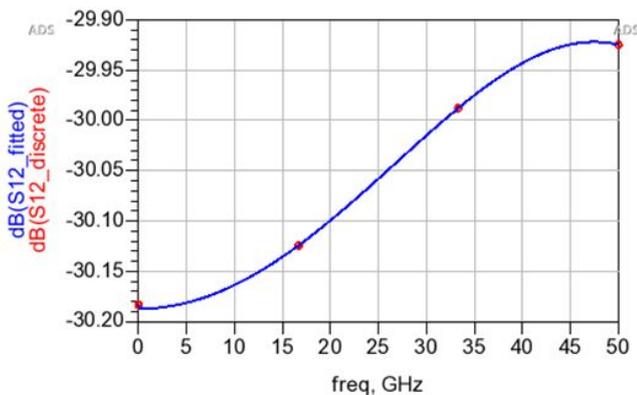
43: DC to 43.5GHz.

### Specifications

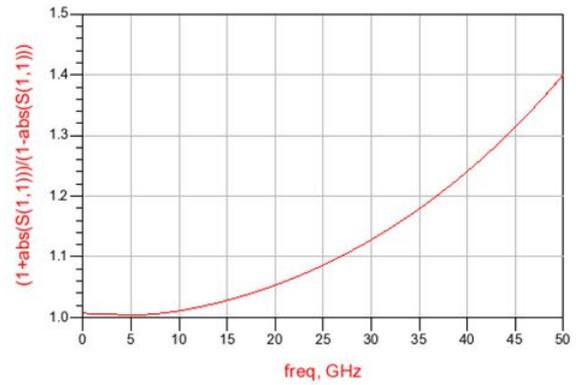
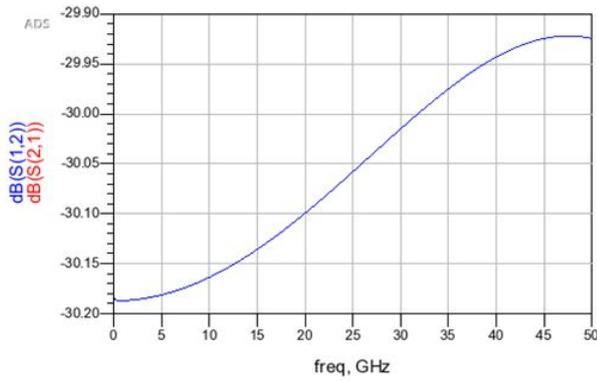
Frequency Range	DC to 43.5GHz
Attenuation	30dB
Nonimal Impeance	50 Ohm
Rated Input Power	1W@25°C 0.8W@85°C
Operating Temperature	-45 °C to +85 °C

Paramter	The testing result of bare chip in probe station		Test result of add 300um double wire-bonding	
	Freq.Range (GHz)	Typ.	Freq.Range (GHz)	Typ.
Attenuation (dB)	DC-5	30±0.20	DC-5	30±0.20
	5-15	30±0.20	5-15	30±0.20
	15-18	30±0.30	15-18	30±0.30
	18-26.5	30±0.35	18-26.5	30±0.35
	26.5-43.5	30±1.0	26.5-43.5	30±1.0
VSWR (:1)	DC-5	1.10	DC-5	1.10
	5-15	1.10	5-15	1.10
	15-18	1.15	15-18	1.15
	18-26.5	1.20	18-26.5	1.20
	26.5-43.5	1.40	26.5-43.5	1.40

### Test Curve

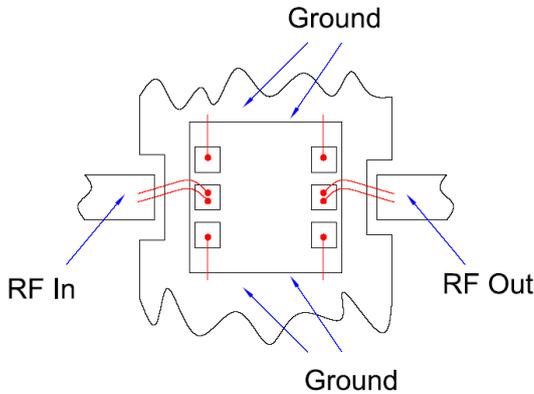


The testing result of bare chip in probe station



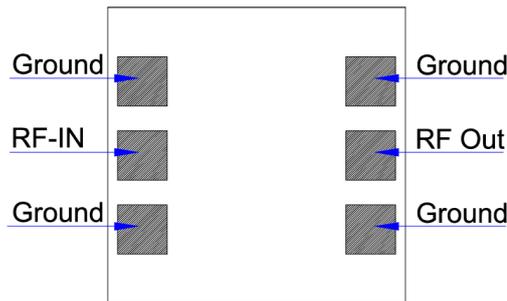
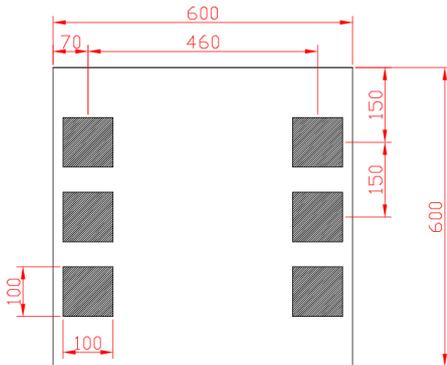
Test result of add 300um double wire-bonding

### Recommended Layout



### Package Outlines

Note: all dimensions shown in um



Parameter	value (um)
Thickness	100
width	600
length	600
Electrode size	100x100