

Fixed Attenuator Chip

- ◆ DC to 43.5GHz
- ◆ 15dB
- ◆ 1.4 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.

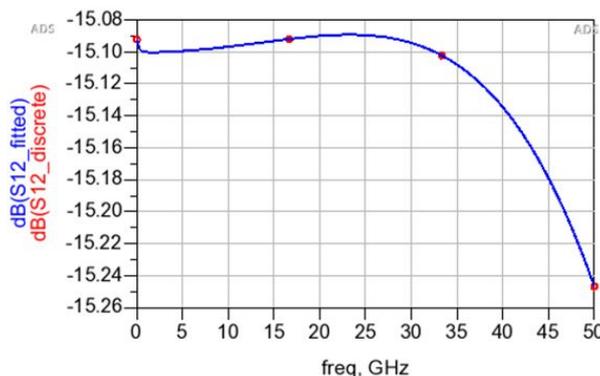
43: DC to 43.5GHz.

Specifications

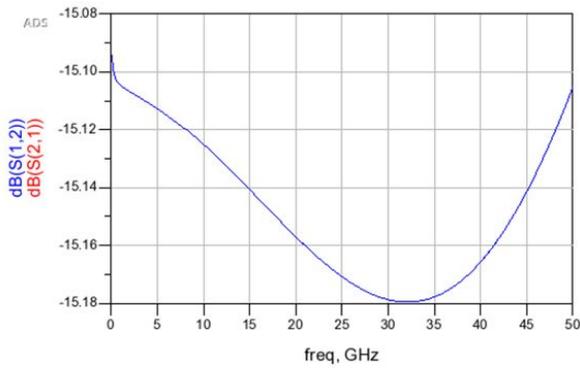
Frequency Range	DC to 43.5GHz
Attenuation	15 dB
Nonimal Impeance	50 Ohm
Rated Input Power	1.4W@25℃ 1W@85℃
Operating Temperature	-45 ℃ to +85 ℃

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	15±0.15	DC-5	15±0.15
	5-15	15±0.15	5-15	15±0.15
	15-18	15±0.40	15-18	15±0.40
	18-26.5	15±0.50	18-26.5	15±0.50
	26.5-43.5	15±0.70	26.5-43.5	15±0.70
VSWR (:1)	DC-5	1.10	DC-5	1.15
	5-15	1.10	5-15	1.20
	15-18	1.10	15-18	1.25
	18-26.5	1.20	18-26.5	1.30
	26.5-43.5	1.35	26.5-43.5	1.30

Test Curve

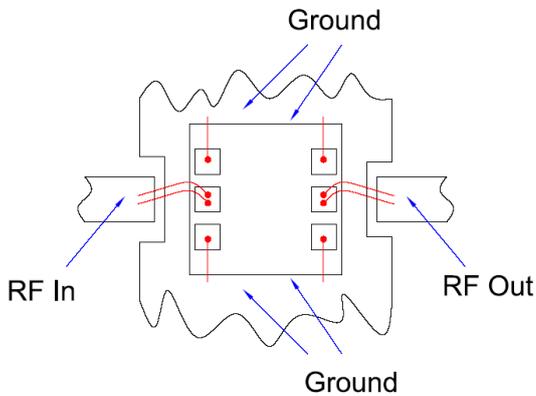


The testing result of bare chip in probe station



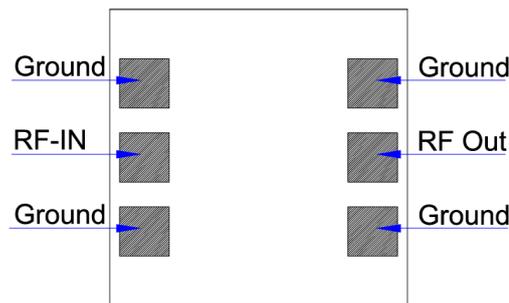
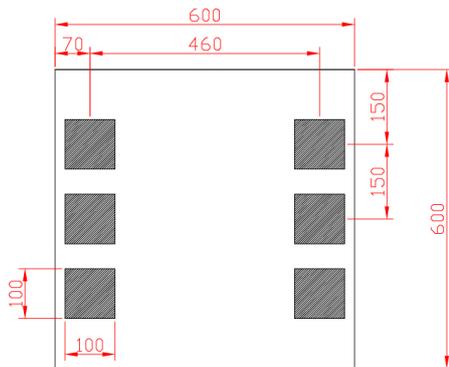
Test result of add 300um double wire-bonding

Recommended Layout



Package Outlines

Note: all dimensions shown in um



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