

Fixed Attenuator Chip

- ◆ DC to 43.5GHz
- ◆ 20dB
- ◆ 0.8 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.

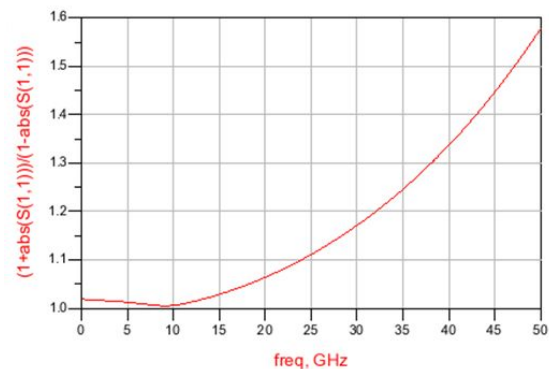
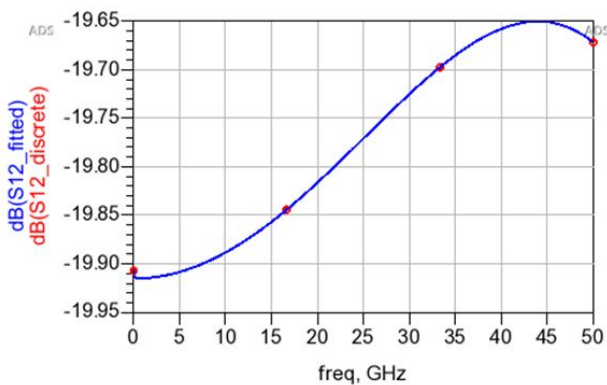
43: DC to 43.5GHz.

Specifications

Frequency Range	DC to 43.5GHz
Attenuation	20 dB
Nonimal Impeance	50 Ohm
Rated Input Power	0.8W@25℃ 0.6W@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	20±0.15	DC-5	20±0.15
	5-15	20±0.15	5-15	20±0.15
	15-18	20±0.25	15-18	20±0.25
	18-26.5	20±0.45	18-26.5	20±0.45
	26.5-43.5	20±0.40	26.5-43.5	20±0.40
VSWR (:1)	DC-5	1.10	DC-5	1.10
	5-15	1.10	5-15	1.10
	15-18	1.10	15-18	1.10
	18-26.5	1.20	18-26.5	1.20
	26.5-43.5	1.45	26.5-43.5	1.45

Test Curve

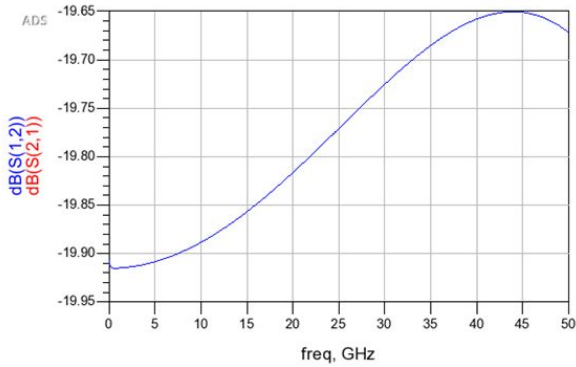


The testing result of bare chip in probe station

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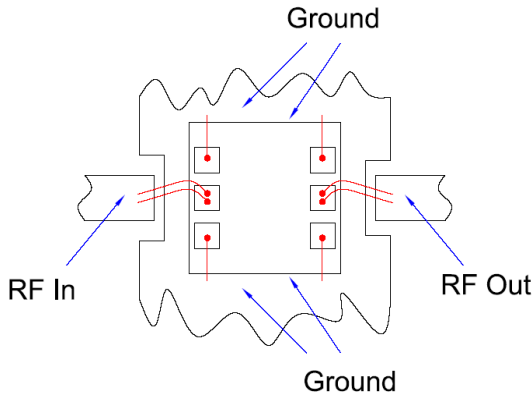
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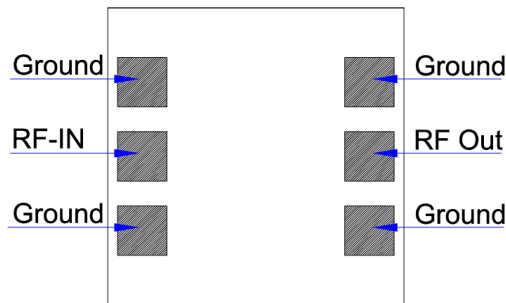
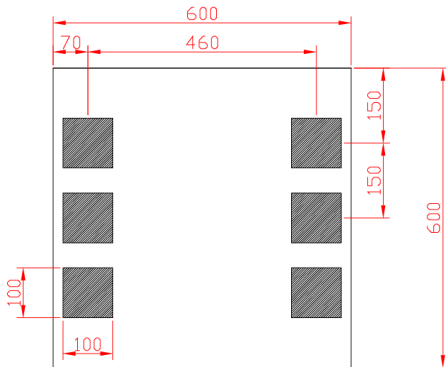
Test result of add 300um double wire-bonding

Recommended Layout



Package Outlines

Note: all dimensions shown in um



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

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