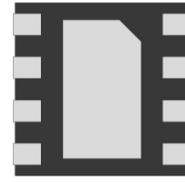


### Fixed Attenuator Chip

- ◆ DC to 43.5GHz
- ◆ 1 dB and 10 dB
- ◆ 2 W



#### Features

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

#### Model No. Description

FACXXXXXX

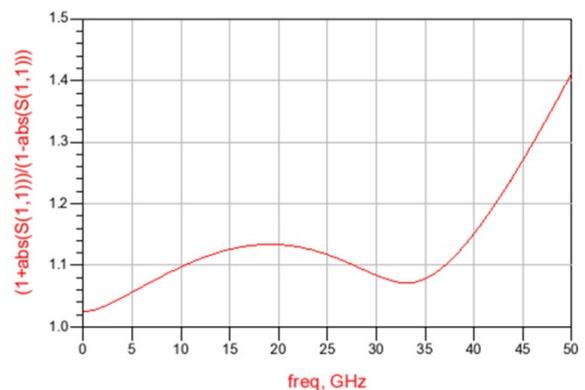
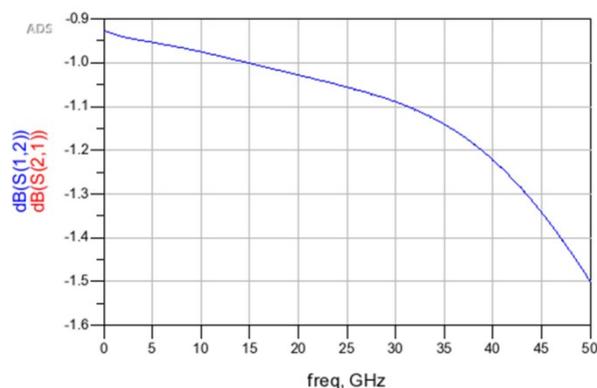
- XX- attenuation: \*\*dB.
- XX- attenuation: \*\*dB.
- XX-frequency range 06: DC to 6GHz
- 10: DC to 10GHz
- 12: DC to 12.4GHz
- 18: DC to 18GHz
- 26: DC to 26.5GHz.
- 43: DC to 43.5GHz.

#### Specifications

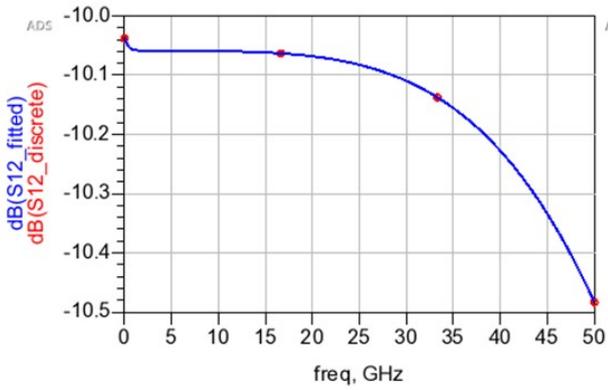
|                       |                  |
|-----------------------|------------------|
| Frequency Range       | DC to 43.5GHz    |
| Attenuation           | 1 dB and 10 dB   |
| Nonimal Impeance      | 50 Ohm           |
| Rated Input Power     | 2W@25°C 1W@85°C  |
| Operating Temperature | -45 °C to +85 °C |

| Paramter         | Freq.Range (GHz) | Typ. (1dB) | Freq.Range (GHz) | Typ. (10dB) |
|------------------|------------------|------------|------------------|-------------|
| Attenuation (dB) | DC-5             | 1±0.10     | DC-5             | 10±0.10     |
|                  | 5-15             | 1±0.10     | 5-15             | 10±0.15     |
|                  | 15-18            | 1±0.10     | 15-18            | 10±0.25     |
|                  | 18-26.5          | 1±0.15     | 18-26.5          | 10±0.25     |
|                  | 26.5-43.5        | 1±0.40     | 26.5-43.5        | 10±0.30     |
| VSWR (:1)        | DC-5             | 1.15       | DC-5             | 1.10        |
|                  | 5-15             | 1.20       | 5-15             | 1.25        |
|                  | 15-18            | 1.20       | 15-18            | 1.30        |
|                  | 18-26.5          | 1.20       | 18-26.5          | 1.35        |
|                  | 26.5-43.5        | 1.30       | 26.5-43.5        | 1.40        |

#### Test Curve

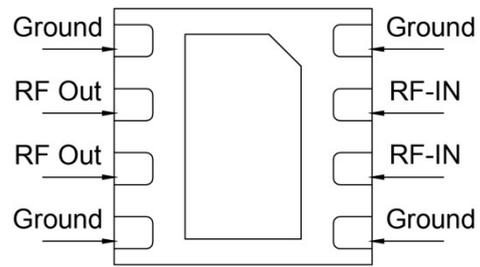
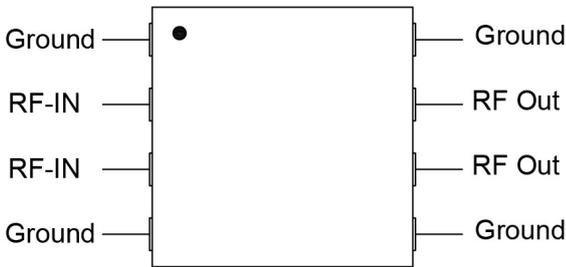


Test result of 1dB

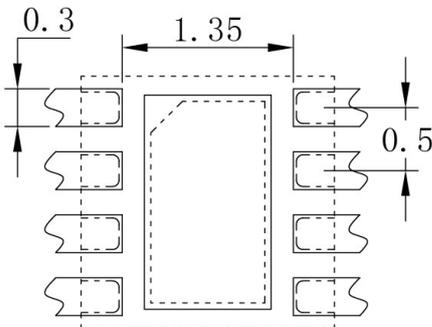


Test result of 10dB

### Pin out



### Land Pattern



### Package Outlines

Note: all dimensions shown in mm

