

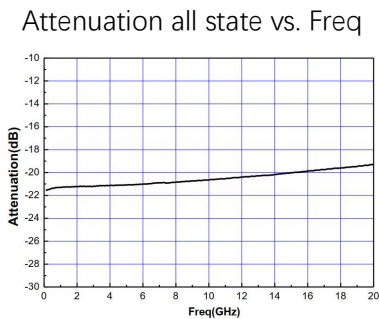
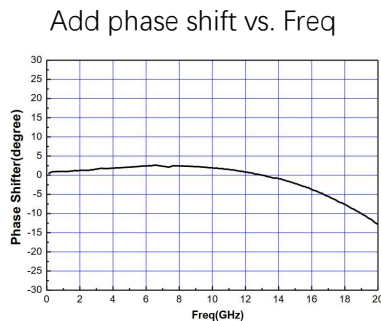
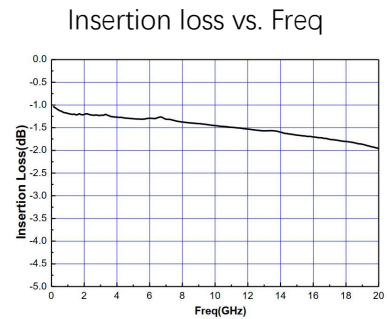
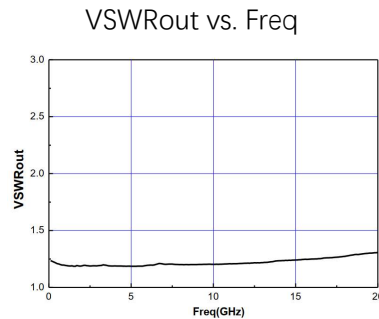
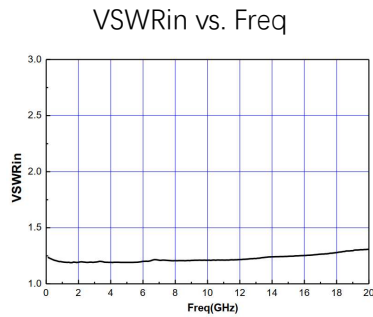
Performance

- Frequency: DC-18GHz
- Insertion loss: 1.5dB
- Attenuation: 20dB
- Attenuation Accuracy: ± 1 dB
- Input/Output VSWR: 1.2:1
- Ton/Toff: 20ns
- Control Mode: TTL
- Voltage: -5V
- Chip size: 0.8*1.0*0.08mm

Electrical Specifications (Ta=+25°C, 50Ω system)

| Parameter | Test Condition | Min | Typical | Max | Unit |
|----------------------|---------------------------------|-----|---------|-----|------|
| Insertion Loss | Freq: DC-18GHz V1, V2=0V/-5V | - | 1.5 | - | dB |
| Attenuation Accuracy | | - | ± 1 | - | dB |
| VSWR in/out | | - | 1.2 | - | |

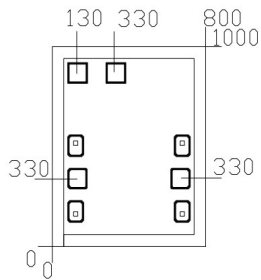
Test Curves



Truth Table

| Attenuation state RFin-RFout | C | V |
|---------------------------------|---|-----|
| IL | 0 | -5V |
| 10dB | 1 | -5V |

Outline Size



Note:

1. Unit: um
2. Bottom side is gold plated
3. Bottom side is GND
4. Bonding pads is gold plated
5. Don't bonding on thru holds
6. Tolerance: $\pm 50\mu\text{m}$

Absolute Max Ratings

| | |
|-----------------------|---|
| Voltage | 0.5/-6V |
| Input Power (CW mode) | 20dBm |
| Channel Temperature | 150°C |
| Mounting Temperature | 300°C(1 min, N ₂ protecting) |
| Storage Temperature | -55 ~ +150°C |

Assembly Diagram

