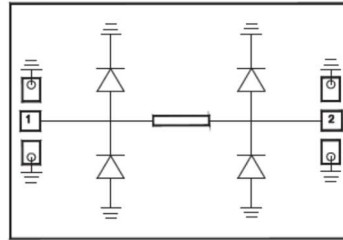


### Performance

- Frequency: 2-18GHz
- Max. Pin: 10W
- Typical Insertion loss: 0.6dB@12GHz
- Limit Power: 18dBm
- VSWR<sub>in/out</sub>: 1.6:1
- Chip size: 1.50\*0.9\*0.1mm

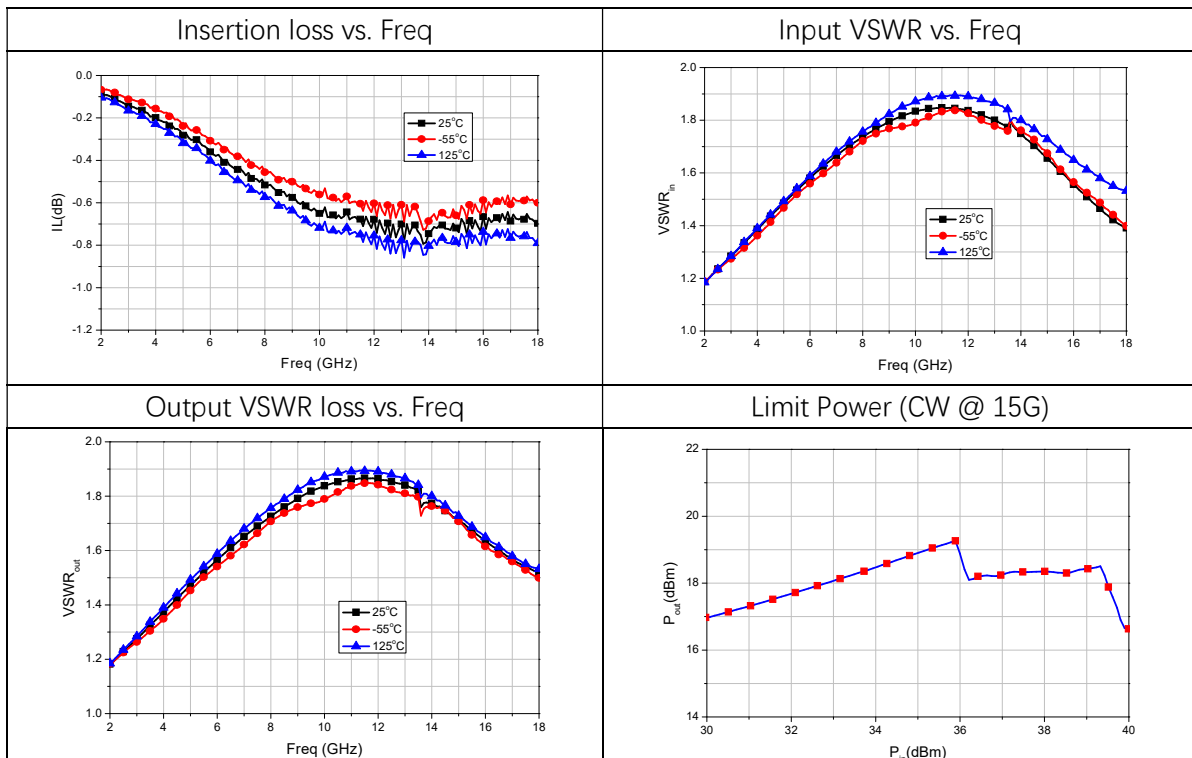
### Function Diagram



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

| Parameter                   | Test Condition    | Min | Typical | Max | Unit |
|-----------------------------|-------------------|-----|---------|-----|------|
| Small Signal Insertion Loss | Pin=0dBm, 2-18GHz | -   | 0.7     | 0.9 | dB   |
| Input VSWR                  |                   | -   | 1.6     | 2   | -    |
| Output VSWR                 |                   | -   | 1.6     | 2   | -    |
| Output Power                | Pin ≤ 40Bm        | -   | 18      | -   | dBm  |

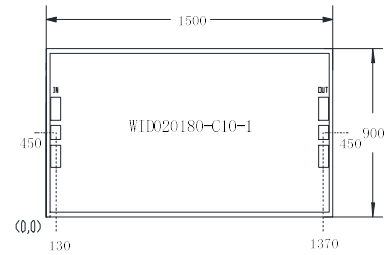
### Test Curves



### PIN Definition

| PIN | Description  |
|-----|--|
| IN  | RF input, connect to 50Ω system, no block capacitor needed |
| OUT | RF input, connect to 50Ω system, no block capacitor needed |

### Outline Size



### Absolute Max Ratings

|                      |  |
|----------------------|--|
| Max Input Power      | 40dBm                                  |
| Mounting Temperature | 290°C(1min, N <sub>2</sub> protection) |
| Storage Temperature  | -55 ~ +150°C                           |

Note: For high power application, assemble with Eutectic sintering.

### Assembly Diagram



**ELECTROSTATIC SENSITIVE DEVICE**  
**OBSERVE HANDLING PRECAUTIONS**