

Performance

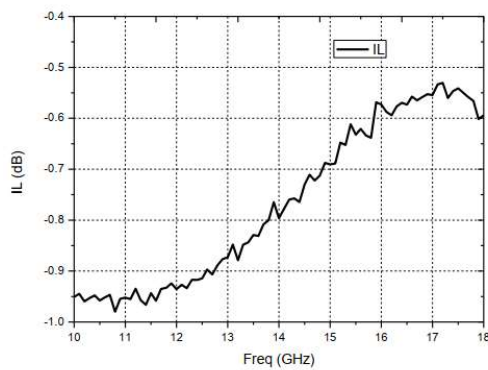
- Frequency: 10-18GHz
- Max. Pin: 30W (2ms, DC=20%)
- Typical Insertion loss: 0.8dB@14GHz
- Limit Power: 18dBm
- VSWR_{in/out}: 1.4:1
- Chip size: 1.40*1.20*0.1mm

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

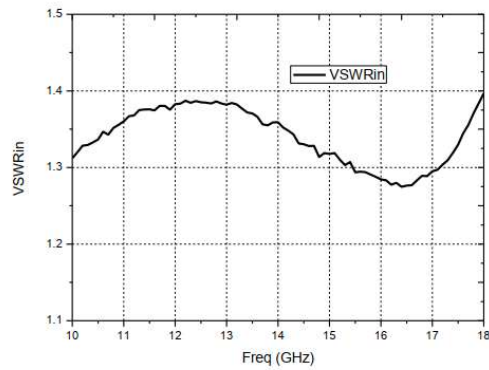
Parameter	Test Condition	Min	Typical	Max	Unit
Small Signal Insertion Loss	P _{in} =0dBm, 10-18GHz	-	1.0	1.1	dB
Input VSWR		-	1.2	1.4	-
Output VSWR		-	1.2	1.4	-
Output Power	P _{in} ≤ 43dBm	-	18	-	dBm

Test Curves

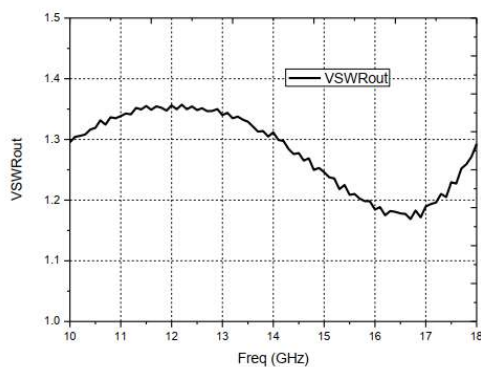
Insertion loss vs. Freq



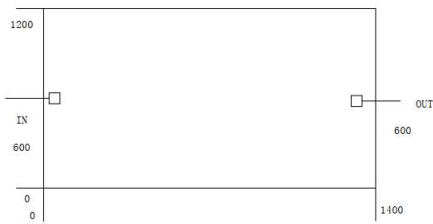
Input VSWR vs. Freq



Output VSWR loss vs. Freq



Outline Size



Note:

1. Unit: μm
2. Bottom side is gold plated
3. Bottom side is GND
4. Don't bonding on thru holes
5. Tolerance: $\pm 0.05\text{mm}$

Absolute Max Ratings

Max Input Power	44.8dBm (2ms, DC=20%)
Mounting Temperature	300°C(1min, N ₂ protection)
Storage Temperature	-55 ~ +150°C

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

Assembly Diagram



ELECTROSTATIC SENSITIVE DEVICE
OBSERVE HANDLING PRECAUTIONS