Performance

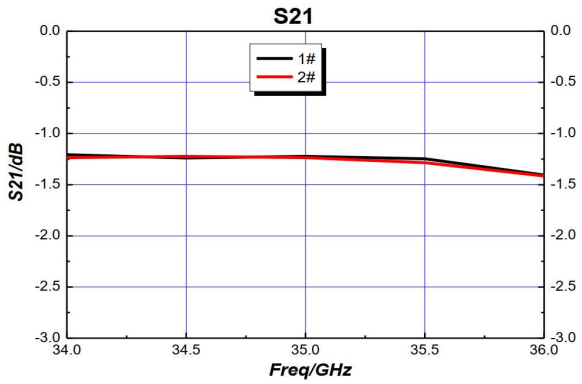
- Frequency: 34-36GHz
- Max. P_{in}: 2.5W
- Typical Insertion loss: 1.5dB
- Limit Power: 15dBm
- $VSWR_{in/out}$: 1.6:1
- Chip size: 2.1*1.3*0.1mm

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

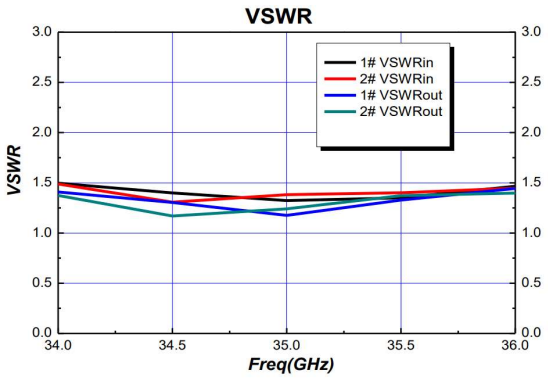
Parameter	Test Condition	Min	Typical	Max	Unit
Small Signal Insertion Loss	P_{in}=0dBm, 34-36GHz	-	1.5	2	dB
Input VSWR		-	1.6	2.0	-
Output VSWR		-	1.6	2.0	-
Output Power	P_{in}≤2.5W	-	-	15	dBm
Max. Input Power	T: 20min		-	2.5	W

Test Curves

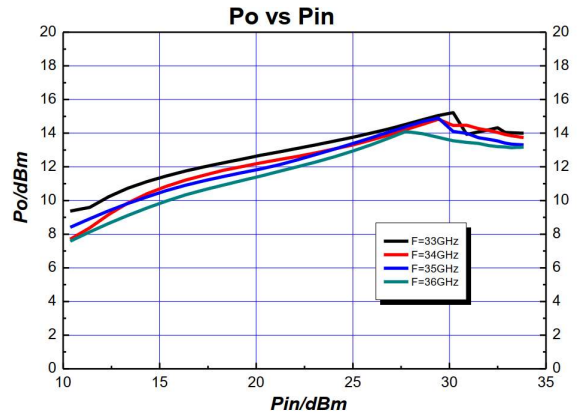
Insertion loss vs. Freq



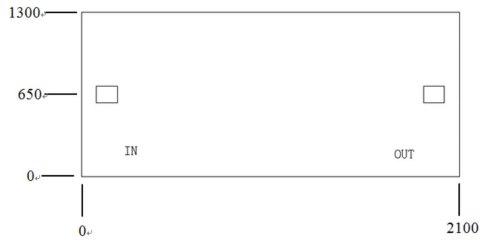
Input/Output VSWR vs. Freq



Po vs. Pin



Outline Size



Note:

1. Unit: um
2. Bottom side is gold plated
3. Bottom side is GND
4. Don't bonding on thru holds
5. Tolerance: ±0.05mm

Absolute Max Ratings

Max Input Power	2.5W
Mounting Temperature	290℃(1min, N_2 protection)
Storage Temperature	-55 ~ +150℃

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

ELECTROSTATIC SENSITIVE DEVICE
OBSERVE HANDLING PRECAUTIONS

Assembly Diagram