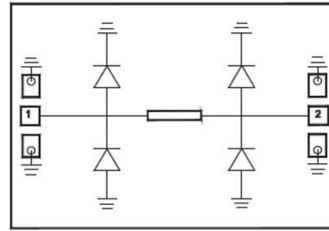


Performance

- Frequency: 0.1-40GHz
- Power Handling: 30dBm CW
- Typical Insertion loss: 0.9dB
- Limit Power: 18dBm
- VSWR_{in/out}: 2.0:1
- Chip size: 1.2*1.2*0.1mm

Function Diagram

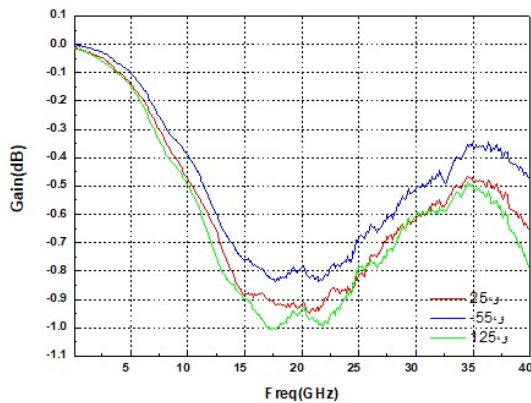


Electrical Specifications (Ta=+25°C, 50Ω system)

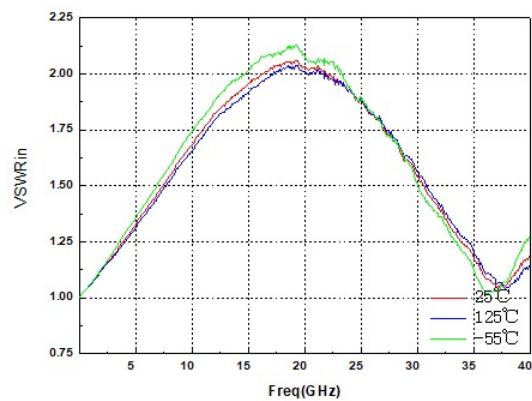
Parameter	Test Condition	Min	Typical	Max	Unit
Small Signal Insertion Loss	Pin=0dBm, 0.1-40GHz	-	0.9	-	dB
Input VSWR		-	2	-	-
Output VSWR		-	2	1.6	-
Power Handling	-	-	-	30	dBm

Test Curves

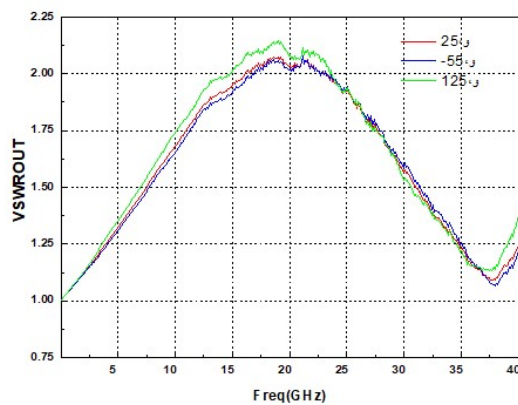
Insertion loss vs. Freq



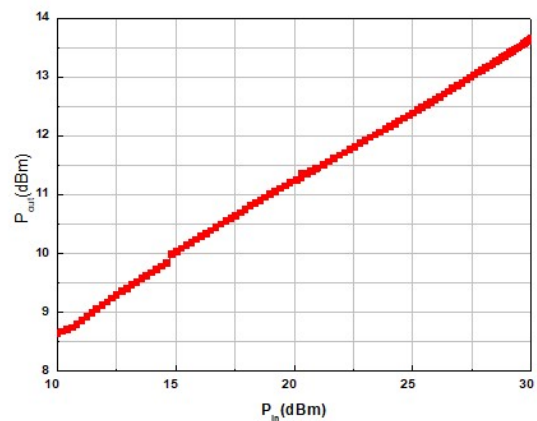
Input VSWR vs. Freq



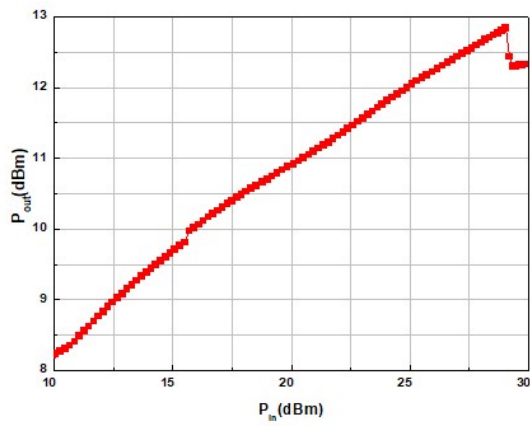
Output VSWR loss vs. Freq



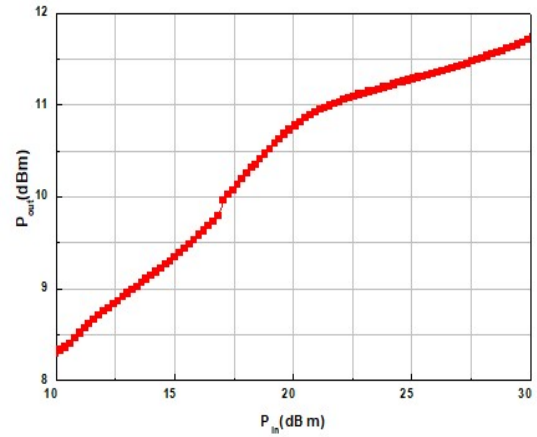
Limit Level @ 0.1GHz



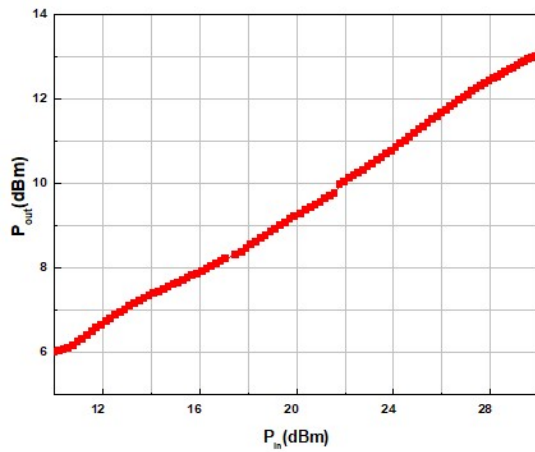
Limit Level @ 10GHz



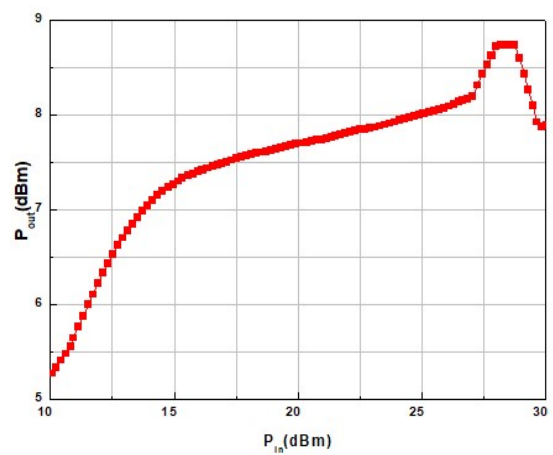
Limit Level @ 20GHz



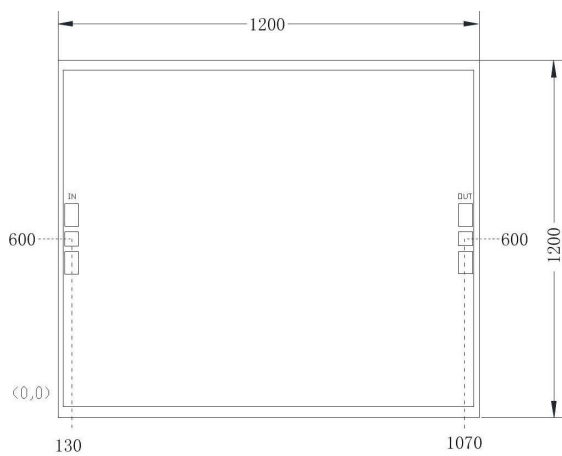
Limit Level @ 30GHz



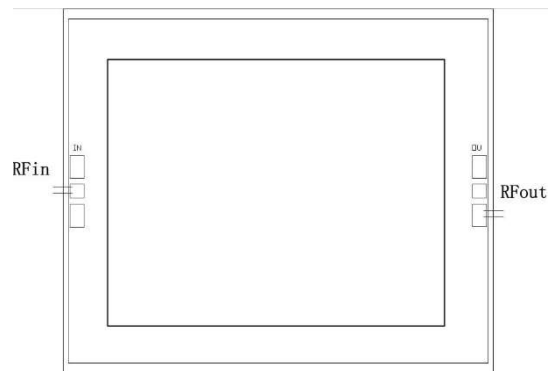
Limit Level @ 40GHz



Outline Size



Assembly Drawing



Absolute Max Ratings

Parameter	Value	Note
Drain Voltage	7V	
Input Signal Power	30 dBm	CW
Chanel Temperature	150°C	
Mounting Temperature	290°C	1min, N ₂ protection
Storage Temperature	-55~ +150°C	

Exceeding any one or combination of these limits may cause permanent damage



ELECTROSTATIC SENSITIVE DEVICE
OBSERVE HANDLING PRECAUTIONS