

Power Amplifier Module

Product Features

- Frequency: 170-270GHz
- Psat=13dBm
- Small Signal Gain: 15dB
- Single power supply

Electrical Specs:

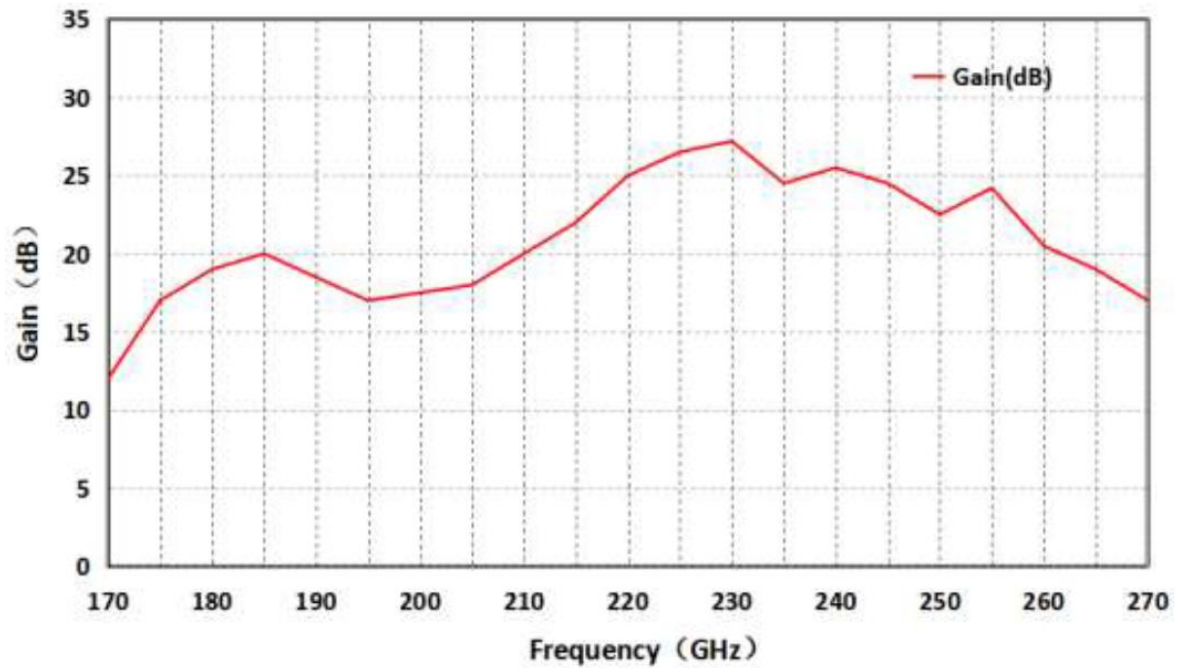
Parameter	Minimum	Typical	Maximum
Frequency Range	170 GHz		270 GHz
Small Signal Gain		15dB	
Saturated Output Power		13 dBm	
Input Return Loss		5 dB	
Output Return Loss		5 dB	
DC Voltage		+8.5V	
Static Current		300 mA	
Specification Temperature		+25 °C	
Operating Temperature	0 °C		+50 °C

Mechanical Specs:

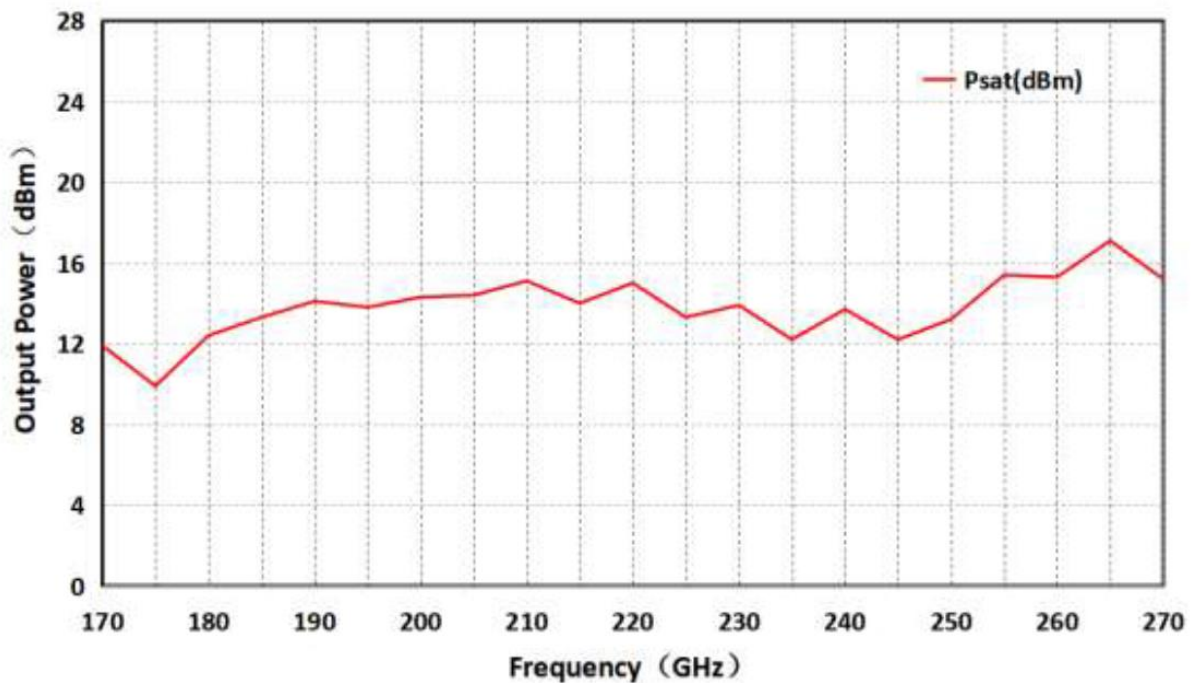
Item	Specification
Input	WR-4.3 Waveguide with W/UG-387/U-M Flange
Output	WR-4.3 Waveguide with W/UG-387/U-M Flange
Bias	Solder Pin
Case Material	Brass
Finish	Gold Plated
Weight	TBD
Size (W×L×H)	TBD

Measured Performance:

Small signal Gain vs. Freq.



Saturated Output Power vs. Freq.



Notes:

1. Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
2. This data is the typical performance for the reference.