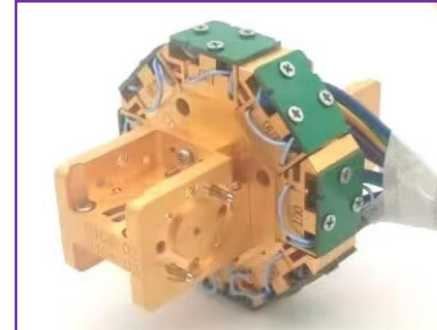


Power Combiner Module

Product Features

- 8-in-1 Power Combiner
- Frequency: 200-221GHz
- Psat: 240mW @ 218GHz
- Small Signal Gain: 20dB @ 208 GHz
- Combining Efficiency: 80.5%
- Over-voltage protection



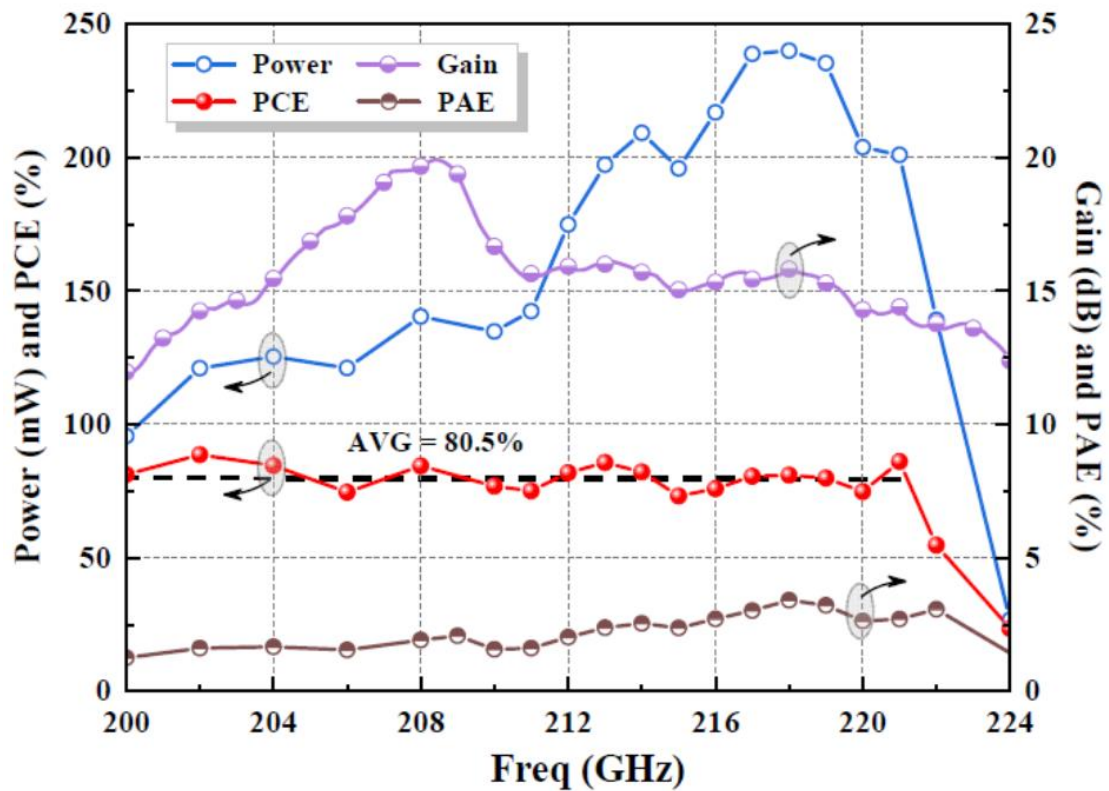
Electrical Specs:

Parameter	Minimum	Typical	Maximum
Frequency Range(GHz)	200		221
Small Signal Gain(dB)		15.9	20@208GHz
Psat(mW)		200@213-221GHz	240@ 218GHz
PCE(power combining efficiency, %)		80.5	
Input Power(dBm)		50mW	
DC Voltage(V)		+2.2V	
DC Supply Current(A)		2.67	
Specification Temperature(°C)	0	+25	
Operating Temperature(°C)	0		+50

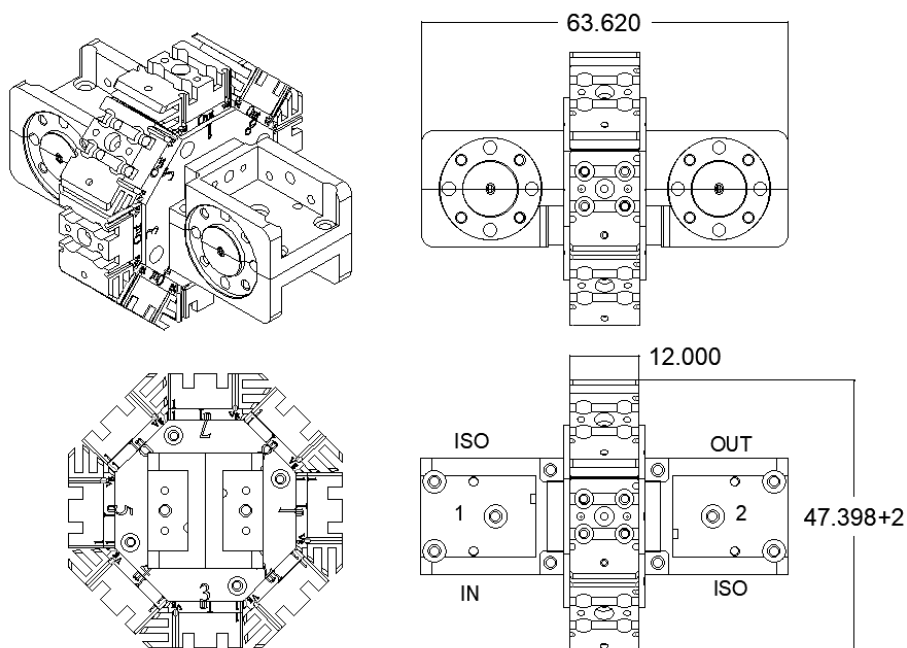
Mechanical Specs:

Item	Specification
Input	WR-4 Waveguide with W/UG-387/U-M Flange
Output	WR-4 Waveguide with W/UG-387/U-M Flange
Size (W×L×H)	47 mm×47 mm×63mm

Measured Performance:



Mechanical Outline:



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.