

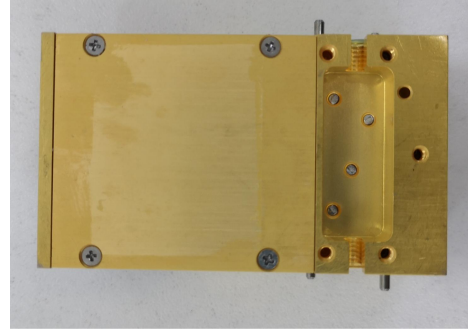
MAM075090-G30P15 Power Amplifier

Features

- Power Amplification
- Psat: 15dBm
- Built-in voltage regulator circuit

Applications

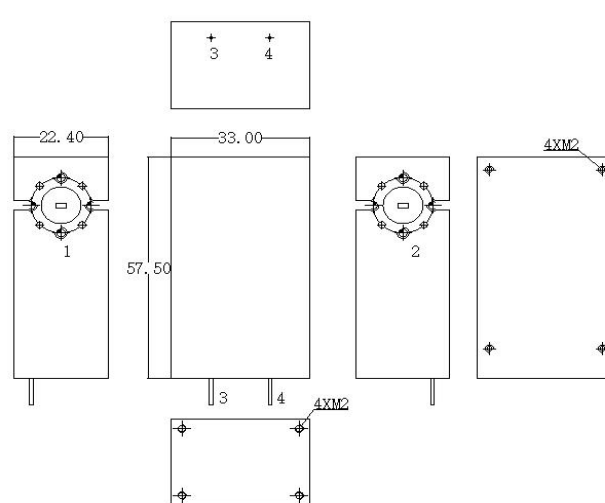
- Instruments and meters
- Terahertz Transceiver Systems



Electrical Specifications Table

Parameter	Condition ($T_A=25^\circ\text{C}$)	Limit			Unit
		Min.	Typ.	Max.	
1.Frequency	V1=+5V	75		90	GHz
2.Gain			30		dB
3.Psat			15		dBm
4.Input Port			WR-12		
5.Output Port			WR-12		
6.Current			360		mA

Outline Drawing



Gain vs. Frequency Curve



Output Power Data Table

Frequency (GHz)	Output Power (dBm)	Frequency (GHz)	Output Power (dBm)
75	15.2	83	15.4
76	16.2	84	15.2
77	15.8	85	15.2
78	16.5	86	14.7
79	16.2	87	14.6
80	15.6	88	14.7
81	15.8	89	13.8
82	15.8	90	14

Input Power vs. Output Power Curve

