

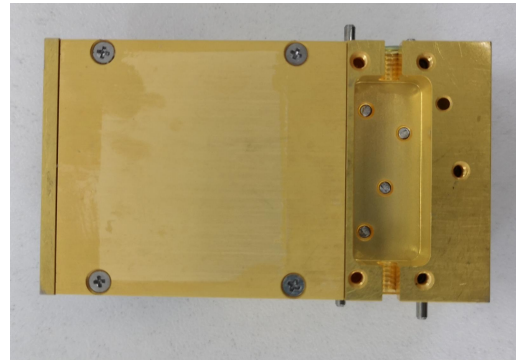
MAM075088-G15P27 Power Amplifier

Features

- Power Amplification
- Psat: 27dBm
- Built-in voltage regulator circuit

Applications

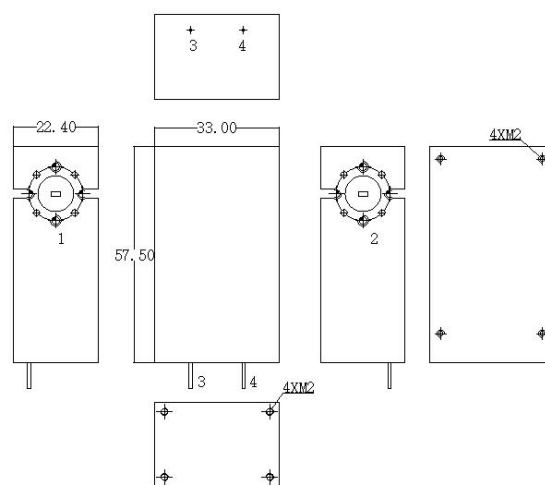
- Instruments and meters
- Terahertz Transceiver Systems



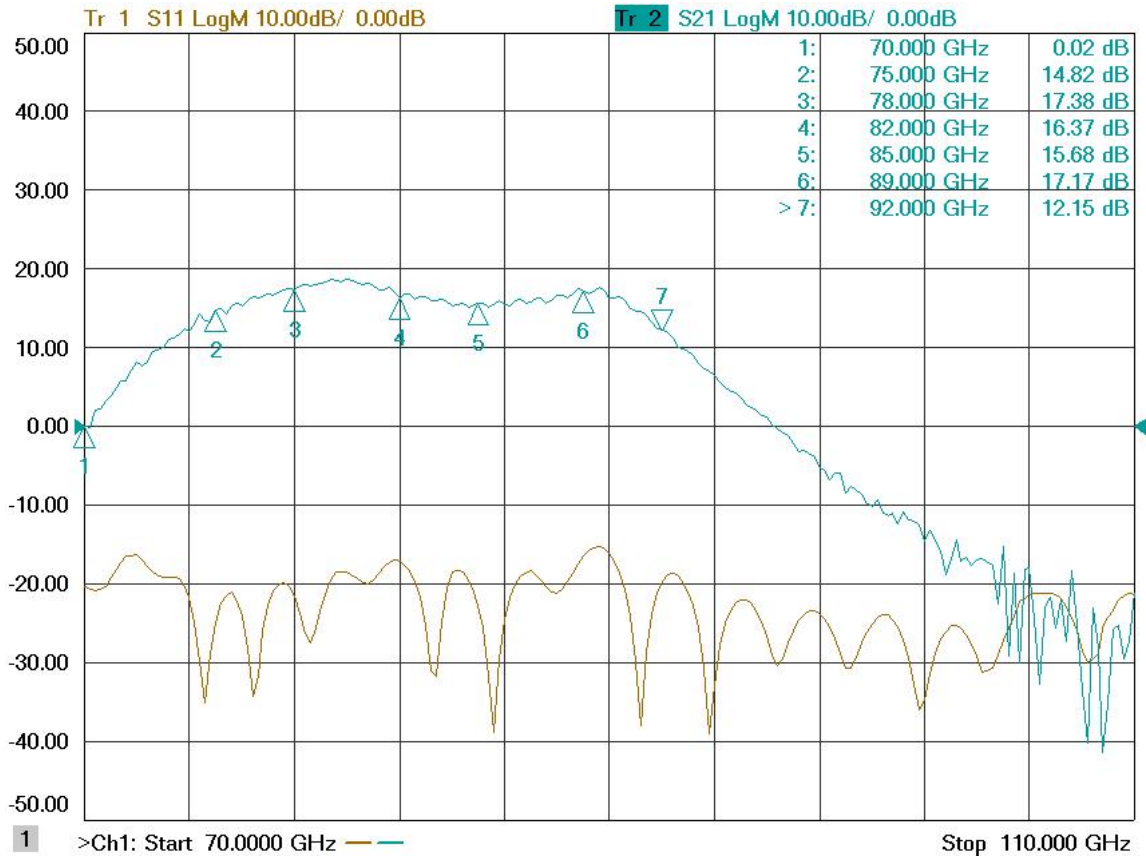
Electrical Specifications Table

Parameter	Condition ($T_A=25^\circ\text{C}$)	Limit			Unit	
		Min.	Typ.	Max.		
1.Frequency	V1=+6V	75		88	GHz	
2.Gain			15		dB	
3.Psat				27		dBm
4.Input Port				WR-12		
5.Output Port				WR-12		
6.Current				2000		mA

Outline Drawing



Gain vs. Frequency Curve



Output Power Data Table

Frequency (GHz)	Output Power (dBm)	Frequency (GHz)	Output Power (dBm)	Frequency (GHz)	Output Power (dBm)
70	27.7	77	27.6	84	28.3
71	27.4	78	27.6	85	28.1
72	26.9	79	27.4	86	28
73	25.6	80	27	87	27.6
74	26.1	81	25.7	88	27.4
75	27.4	82	28.1		
76	27.4	83	28.2		