

MAM070090-G11P13 Power Amplifier

Features

Power Amplification

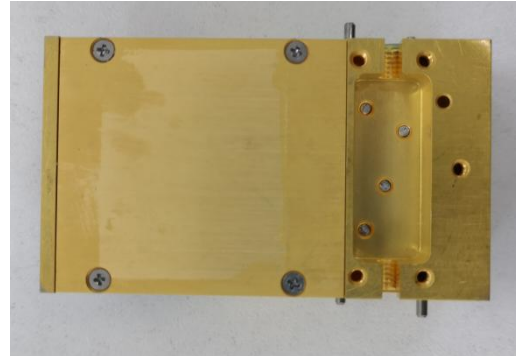
Psat: 13dBm

Built-in voltage regulator circuit

Applications

Instruments and meters

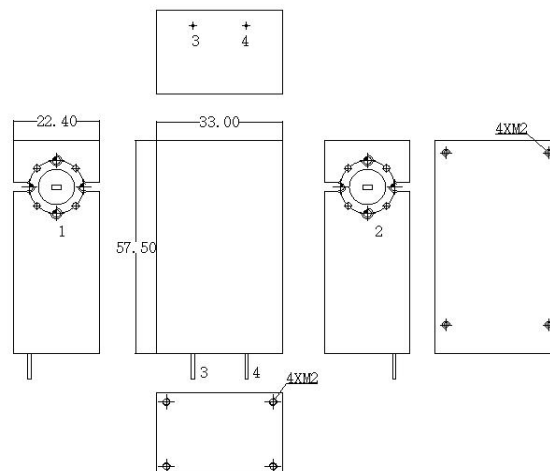
Terahertz Transceiver Systems



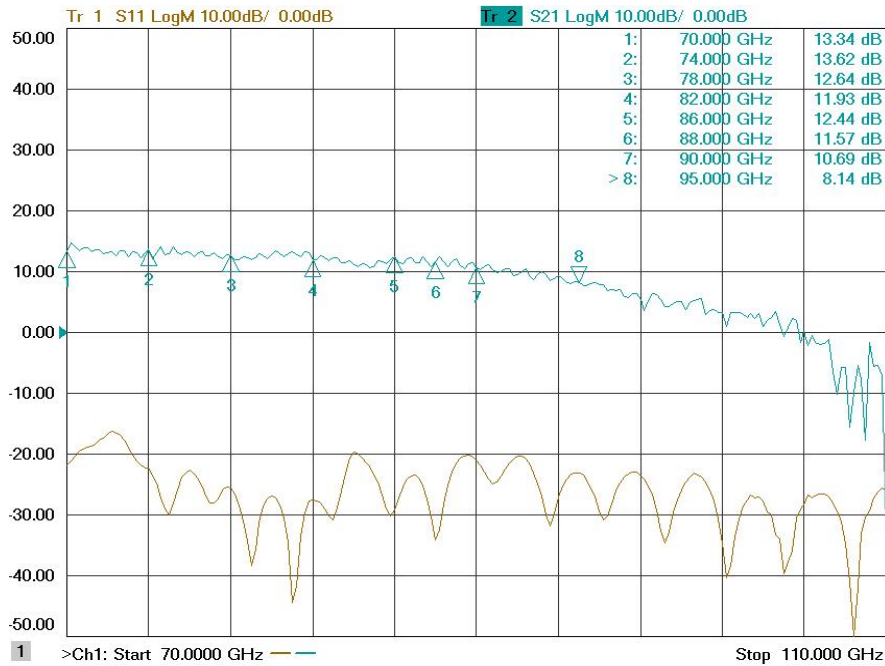
Electrical Specifications Table

Parameter	Condition ($T_A=25^\circ\text{C}$)	Limit			Unit	
		Min.	Typ.	Max.		
1.Frequency	V1=+5V	70		90	GHz	
2.Gain			11		dB	
3.Psat				13		dBm
4.Input Port				WR-12		
5.Output Port				WR-12		
6.Current				170		mA

Outline Drawing



Gain vs. Frequency Curve



Output Power Data Table

Frequency (GHz)	Output Power (dBm)	Frequency (GHz)	Output Power (dBm)
70	14.04	81	14.13
71	13.97	82	13.93
72	14.11	83	13.82
73	14.18	84	13.89
74	14.19	85	13.72
75	14.19	86	13.26
76	14.37	87	12.96
77	14.48	88	13.00
78	14.17	89	12.58
79	13.81	90	11.80
80	13.88		