

MAM070089-G20P19 Power Amplifier

Features

Power Amplification

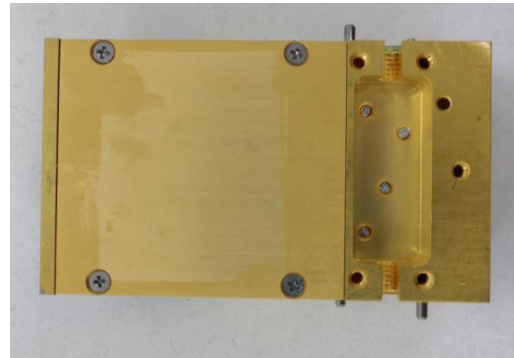
Psat: 19dBm

Built-in voltage regulator circuit

Applications

Instruments and meters

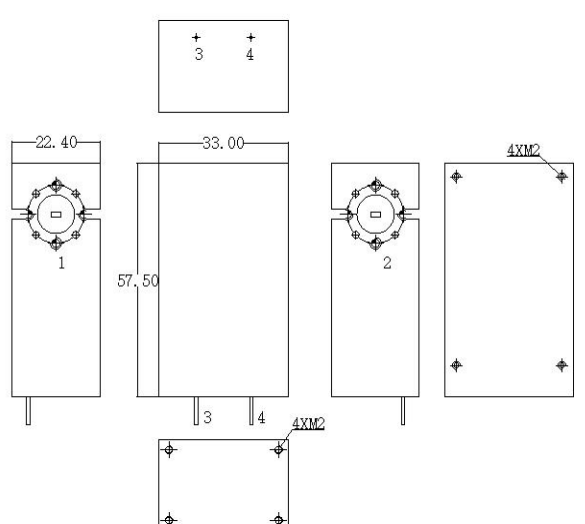
Terahertz Transceiver Systems



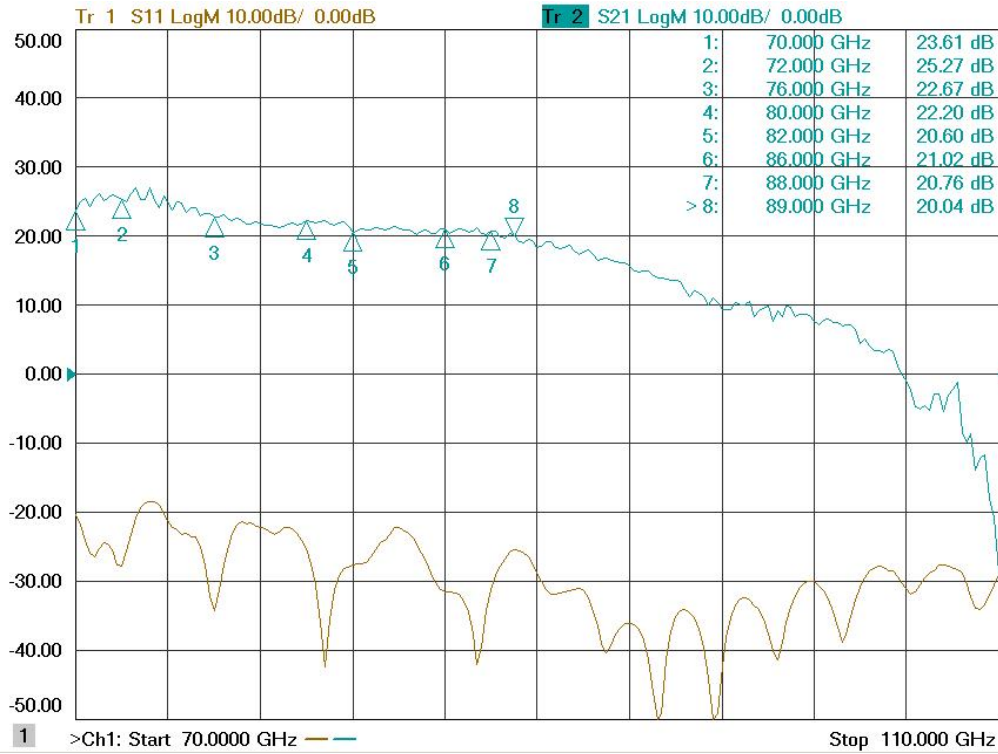
Electrical Specifications Table

Parameter	Condition ($T_A=25^\circ\text{C}$)	Limit			Unit
		Min.	Typ.	Max.	
1.Frequency	V1=+6V	70		89	GHz
2.Gain			20		dB
3.Psat				19	dBm
4.Input Port				WR-12	
5.Output Port				WR-12	
6.Current				450	mA

Outline Drawing



Gain vs. Frequency Curve



Output Power Data Table

Frequency (GHz)	Output Power (dBm)	Frequency (GHz)	Output Power (dBm)
70	18.2	80	19.8
71	18.6	81	18.8
72	18.9	82	20
73	19.3	83	19.8
74	19.6	84	19.7
75	19.6	85	19.9
76	20.1	86	19.8
77	19.9	87	18.9
78	19.9	88	18.4
79	20.5	89	17.9