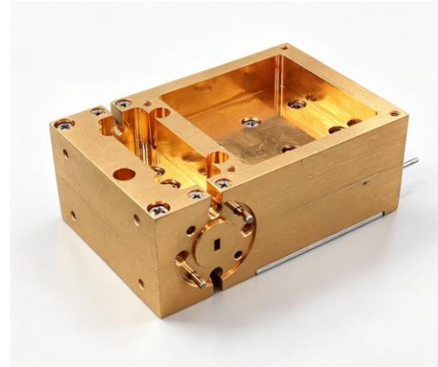


MAM075110-L60 Low Noise Amplifier

Features

- Low noise figure: 6 dB
- Broadband amplification
- Built-in voltage regulator circuit



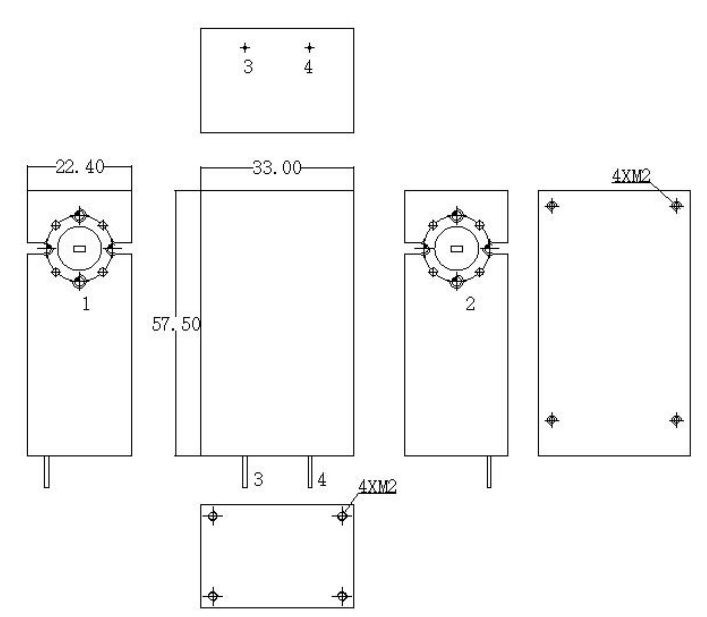
Applications

Instruments and meters

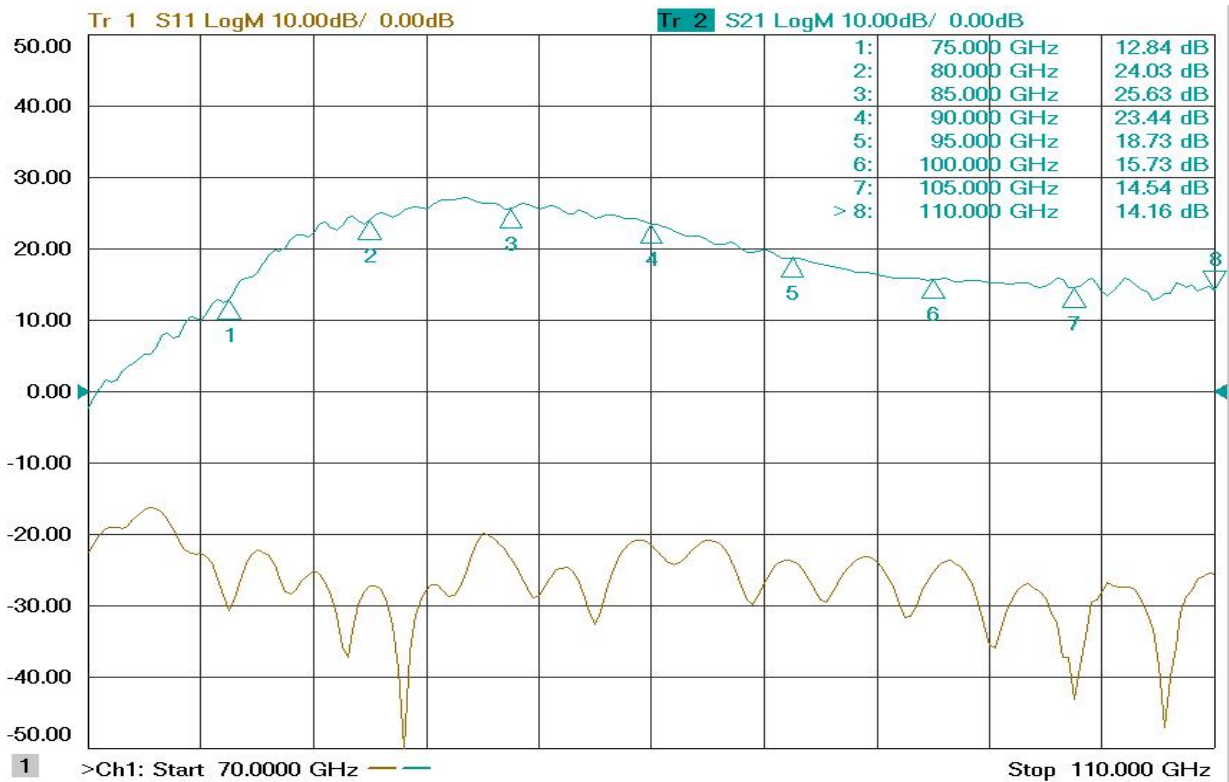
Electrical Specifications Table

Parameter	Condition ($T_A=25^\circ\text{C}$)	Limit			Unit
		Min.	Typ.	Max.	
1.Frequency	V1=+5V	75		110	GHz
2.Gain		13	20	25	dB
3.Noise Figure			6		dB
4.Psat			12.5		dBm
5.Input Interface			WR-10		
6.Output Interface			WR-10		
7.Current			100		mA

Outline Drawing



Gain vs. Frequency Curve



Noise Figure / Output Power Data Table

Frequency (GHz)	Noise Figure (dB)	Pout (dBm)	Frequency (GHz)	Noise Figure (dB)	Pout (dBm)	Frequency (GHz)	Noise Figure (dB)	Pout (dBm)
75	9.225	12	87	6.431	13.2	99	5.731	11.9
76	8.689	11.1	88	6.065	13.1	100	5.357	11.7
77	8.496	11.6	89	6.589	12.9	101	5.723	11.6
78	7.72	11.3	90	6.109	12.7	102	5.848	11.5
79	6.798	11.4	91	5.642	12.7	103	5.947	11.3
80	7.587	11.7	92	6.426	12.7	104	5.909	11.3
81	6.994	11.8	93	6.12	12.6	105	6.616	11.1
82	6.825	12.5	94	6.595	12.5	106	6.701	10.8
83	6.51	12.8	95	5.89	12.3	107	6.823	10.6
84	6.431	12.9	96	6.174	12.2	108	8.087	9.9
85	6.443	13	97	6.103	12.1	109	8.303	9.3
86	6.599	13.1	98	5.823	11.9	110	9.449	9.1