

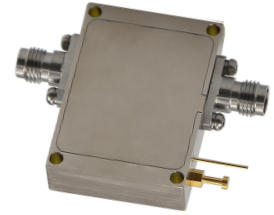
37-45GHz Low Noise Amplifier

P/N: MZLNA3745GA30



Description:

The amplifier is a low noise amplifier with a typical small signal gain of 30 dB and a typical noise figure of 6.0dB across the frequency range of 37 to 45 GHz. The typical output power P-1 20dBm. The DC power requirement for the amplifier is +12 VDC/500 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		37-45		GHz
Gain	30			dB
Gain Flatness			±3.5	dB
Input VSWR			2.0	-
Output VSWR			2.0	-
Output Power for (P1dB)	20			dBm
Noise Figure			6.0	dB
DC Current (Vcc=+12V)		500		mA
Impedance		50		Ω
Input/Output Connector		2.4mm-Female/2.4mm-Female		
Material		Aluminium		
Weight		50g		
Package Sealing		General Sealing (Standard)		

Environmental Specifications:

- ※ Operational Temperature -25°C~+85°C
- ※ Storage Temperature -55°C~+125°C



OBSERVE
PRECAUTIONS ELECTROSTATIC
SENSITIVE DEVICES

MICZEN THCHNOLOGIES CO.,LTD.

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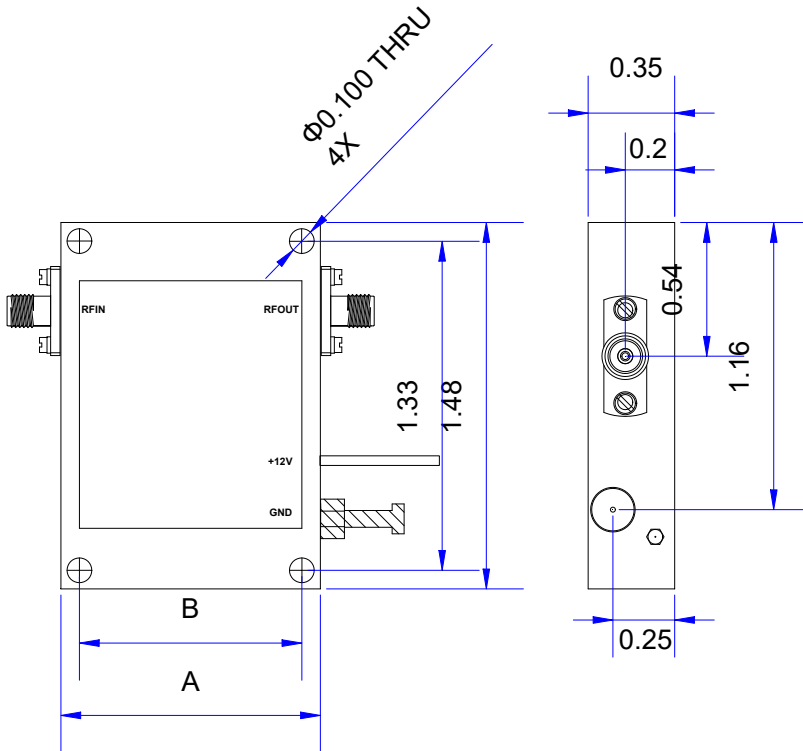
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■ Outline Drawing

All Dimensions in mm (inches) Tolerance ± 0.25 (0.01)



CASE TYPE		DIMENSIONS	
		A	B
MK1	MV1	0.6800	0.5350
MK2	MV2	0.8300	0.6800
MK3	MV3	1.0500	0.9000

*****Heat Sink required during operation*****

NOTE:

1. The product is designed to meet environmental ratings but not tested. If you need to test environmental condition, please contact our sales department.
2. Miczen technologies co., Ltd. reserves the right to change the above information without notice.

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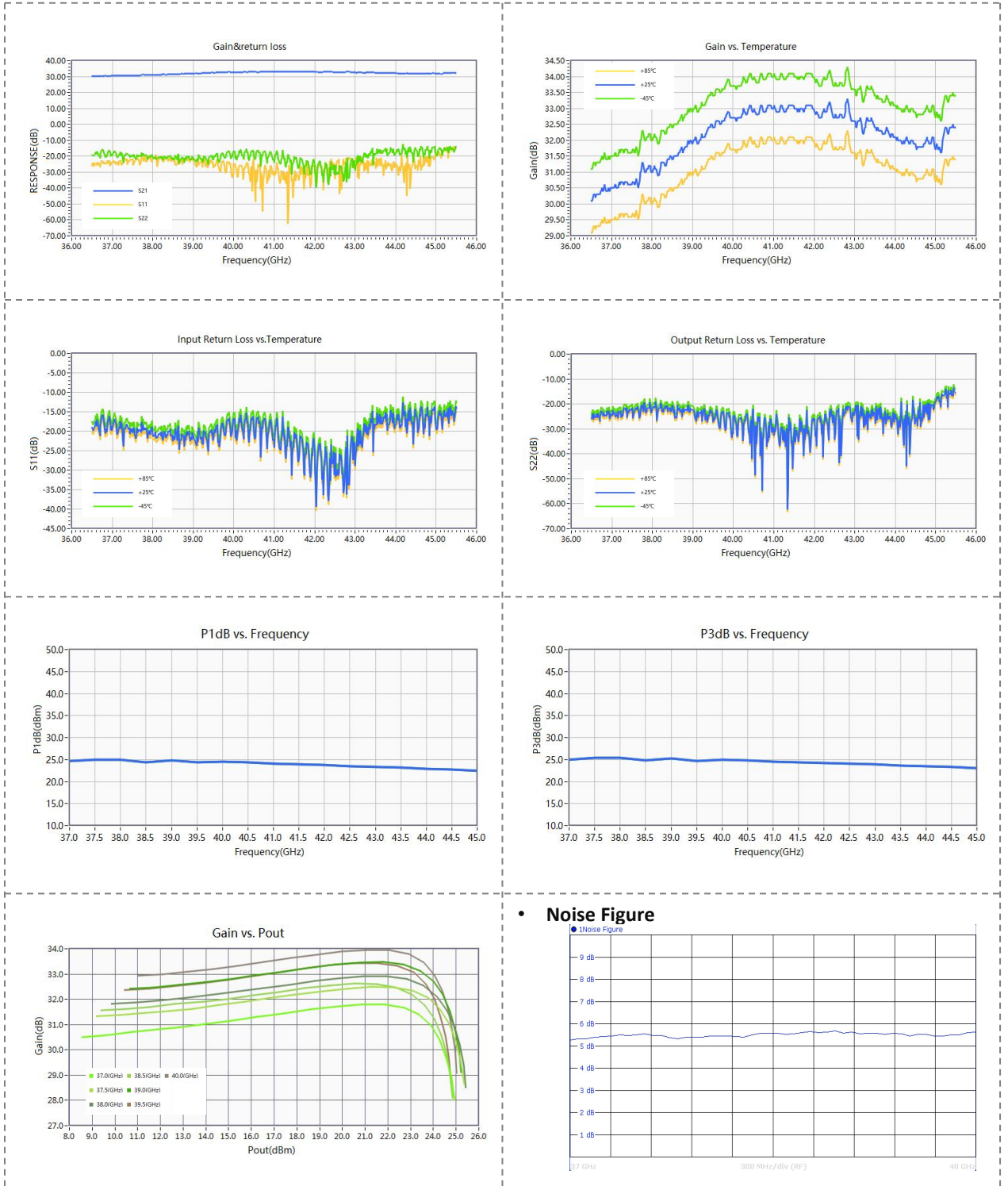
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Performance Plot



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