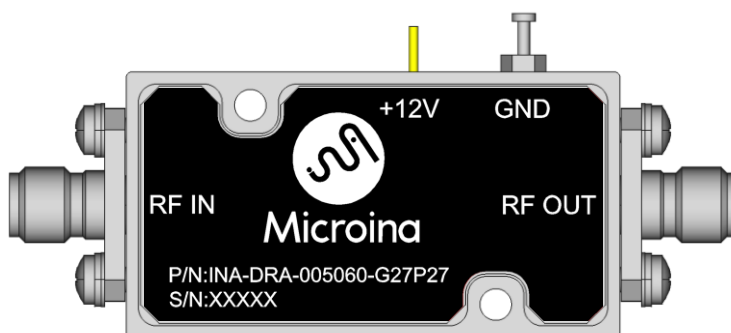


FEATURES:

- Broadband Performance
- Flat Gain
- High Efficiency
- Single Supply
- Field Replacable SMA Connectors
- Internal Regulator
- Humidity Protected Mechanical Package


ELECTRICAL SPECIFICATIONS:

Parameter	Min.	Typ.	Max.	Units
Operating Frequency	500		6000	MHz
Small Signal Gain	25	28	31	dB
Gain Flatness		±1.25		dB
P1dB	26	28		dBm
P1dB Flatness		±1		dBm
PAE		20		%
Noise Figure		3		dB
Input VSWR		1.5:1	2.2:1	
Output VSWR		1.5:1	2.2:1	
Operating DC Voltage	+11.5	+12	+15	Volts
Operating DC Current		220		mA

*Electrical specifications are given at 25°C.

ABSOLUTE MAXIMUM RATING:

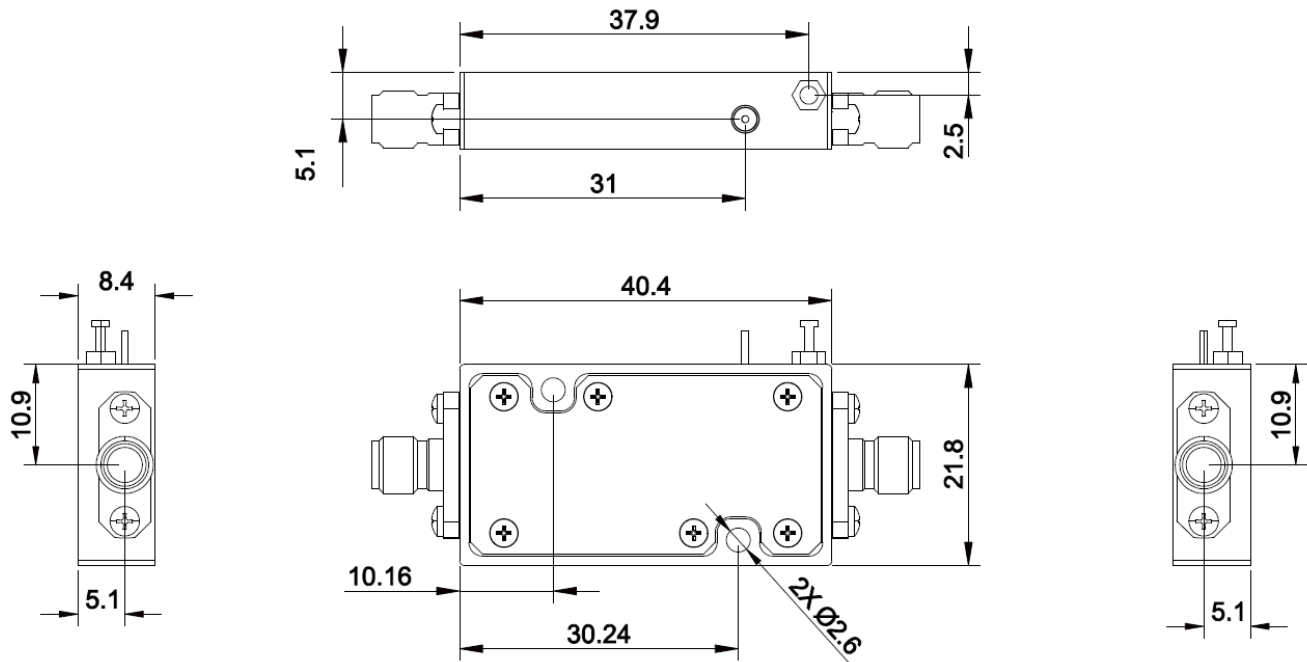
Parameter	Min.	Typ.	Max.	Units
DC Voltage			+15	Volts
RF Input Power			+20	dBm
Operating Case Temperature	-40		+85	°C
Storage Temperature	-55		+125	°C

MECHANICAL SPECIFICATIONS:

Parameter	Value	Units
Dimensions (L x W x H)	40.4 x 21.8 x 8.4	mm
Weight	21.4	gr
RF Connector, Input	SMA, Female	
RF Connector, Output	SMA, Female	
DC Connector	0.03" Solder-In Type Feedthrough	
Cooling	External Heatsink Required	

MECHANICAL OUTLINE:

- All dimensions are in mm



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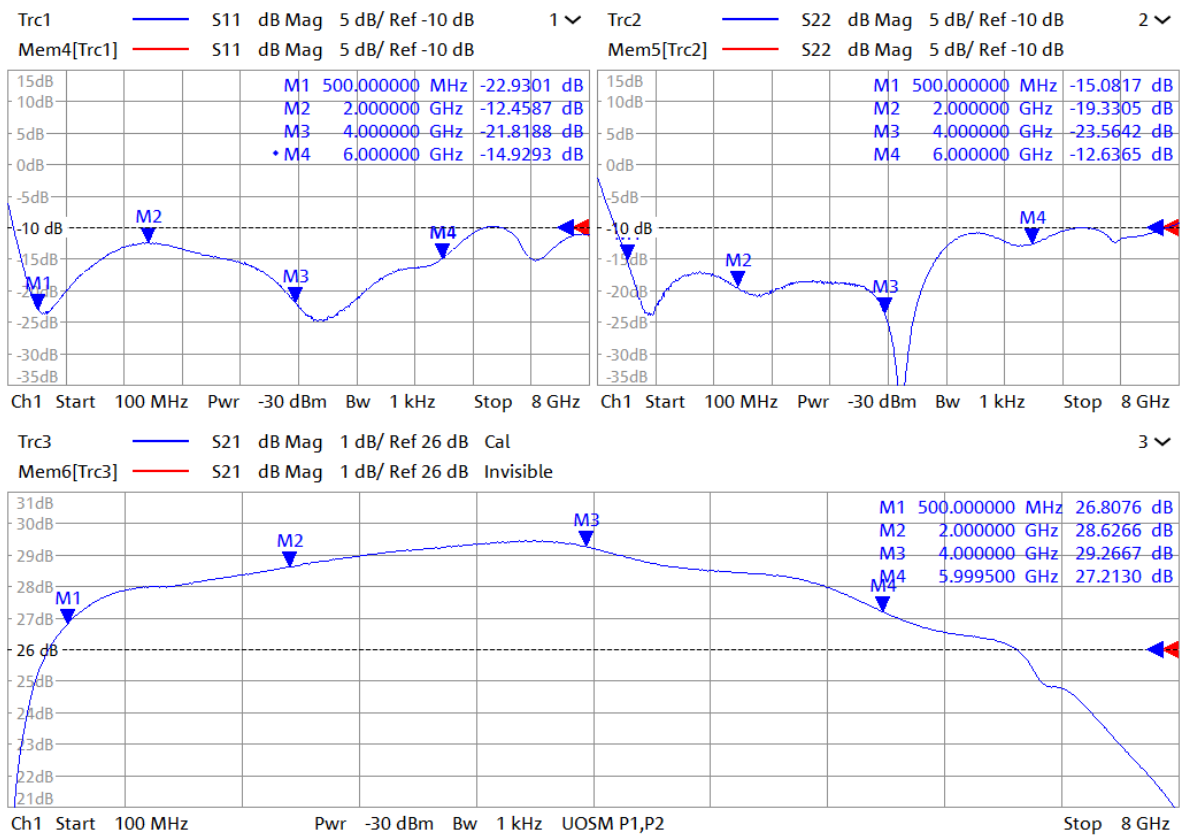


Figure 1: Small Signal Gain @ 25°C

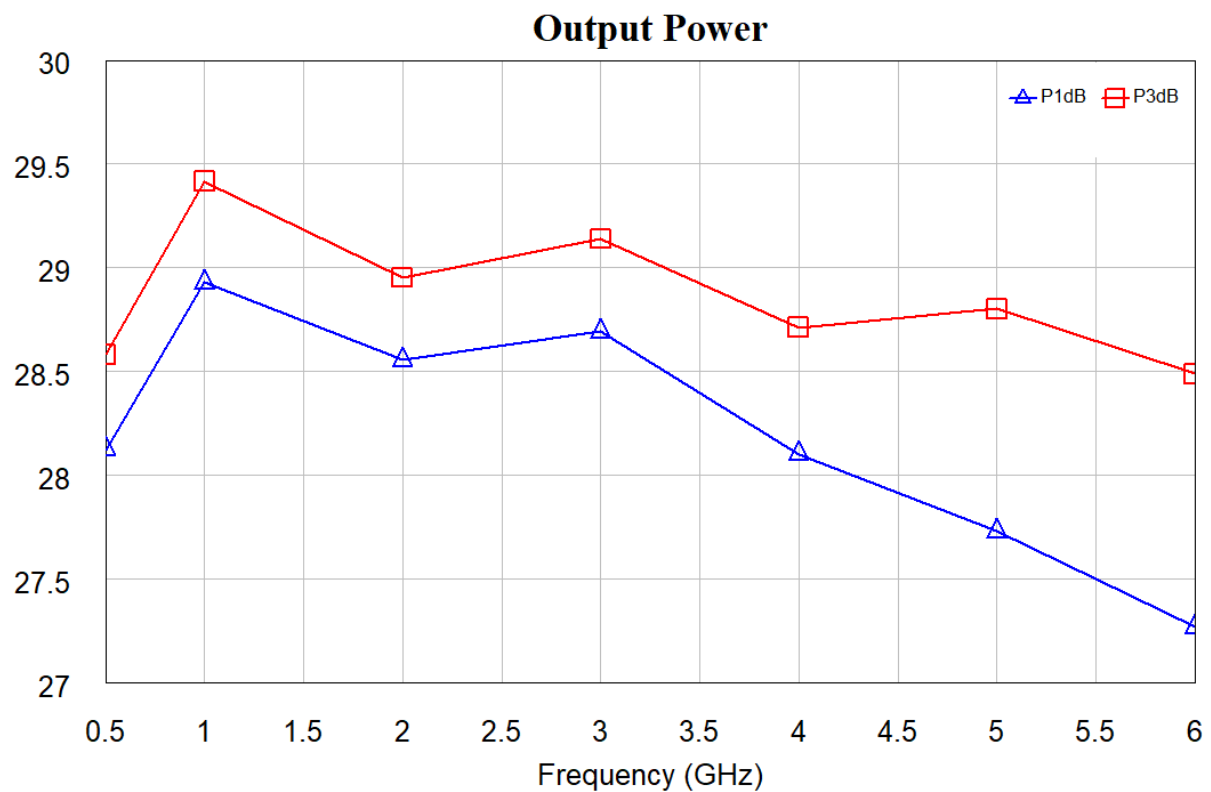


Figure 2: Output Power @ 25°C

REVISION HISTORY:

Rev. No.	Date	Description
P1	10-Oct-2022	Preliminary Release
P2	03-Jan-2023	Added <i>Mechanical Outline</i> Updated <i>Operating Temperature Range</i> Updated <i>Storage Temperature Range</i>
P3	12-Jan-2024	Updated <i>Measurement Graphs</i>
P4	23-Sep-2024	Updated <i>Electrical Specifications</i>
A	23-Aug-2024	Original Release Updated <i>Measurement Graphs</i>