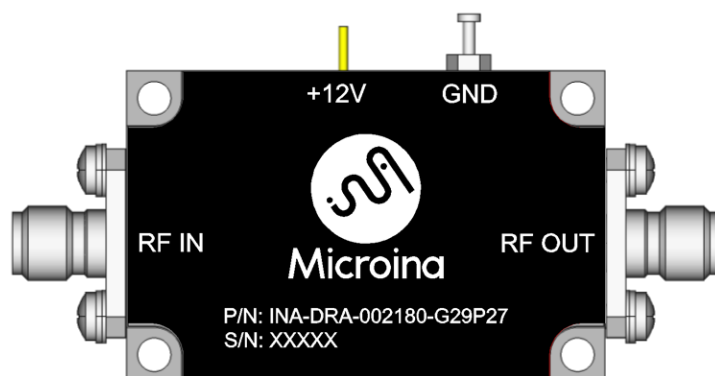


FEATURES:

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


ELECTRICAL SPECIFICATIONS:

Parameter	Min.	Typ.	Max.	Units
Operating Frequency	200		18000	MHz
Small Signal Gain	27	29	33	dB
Gain Flatness		±1		dB
P1dB	25	27		
P3dB	26	28		dBm
Noise Figure (0.2-2 GHz)		10		dB
Noise Figure (2-6 GHz)		5		
Noise Figure (6-18 GHz)		4		
Input VSWR		2:1		
Output VSWR		2:1		
Operating DC Voltage		+12		Volts
Operating DC Current		430		mA

*Electrical specifications are given at 25°C.

ABSOLUTE MAXIMUM RATING:

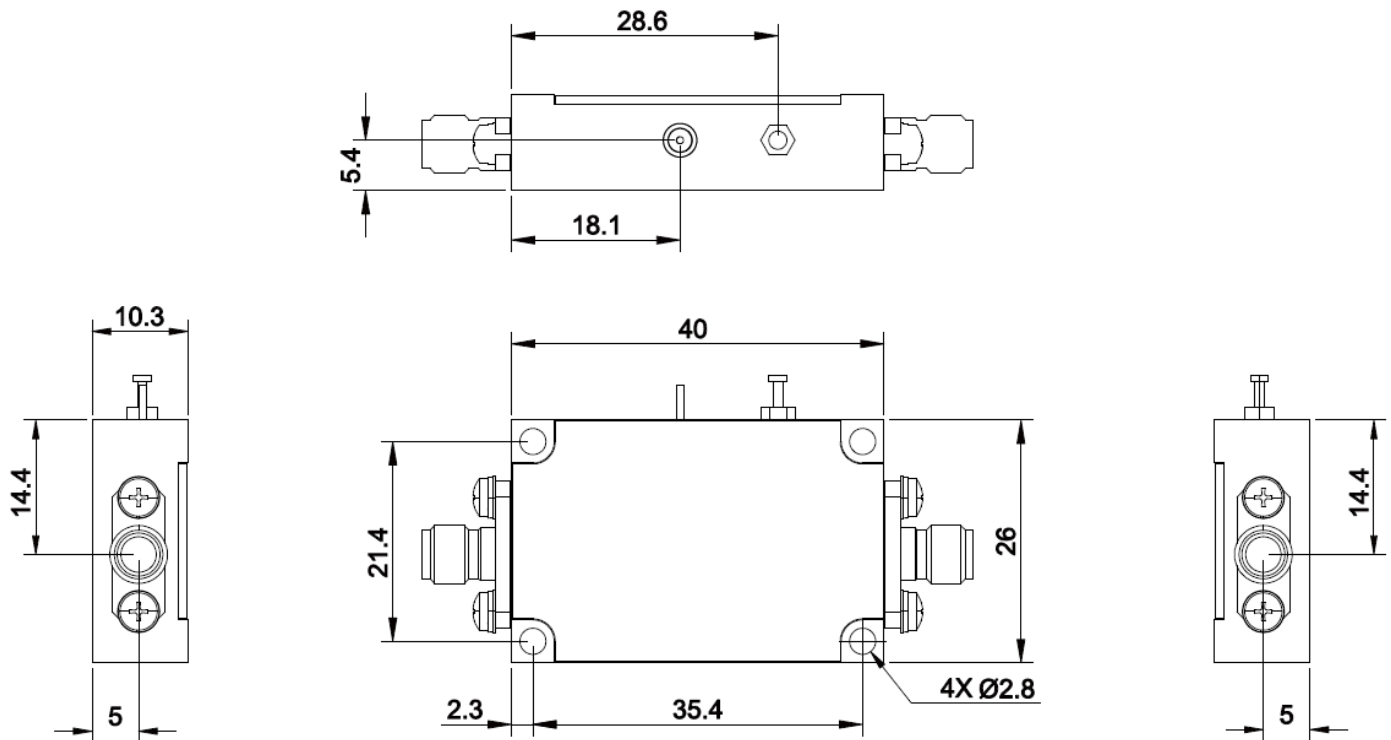
Parameter	Min.	Typ.	Max.	Units
DC Voltage			+15	Volts
RF Input Power			+25	dBm
Operating Case Temperature	-40		+85	°C
Storage Temperature	-55		+125	°C

MECHANICAL SPECIFICATIONS:

Parameter	Value	Units
Dimensions (L x W x H)	40 x 26 x 10.3	mm
Weight	32	gr
RF Connector, Input	SMA, Female	
RF Connector, Output	SMA, Female	
DC Connector	0.03" Solder-In Type Feedthrough	
Cooling	External Heatsink Required	
Mechanical Housing	Nickel Plated Aluminum	

MECHANICAL OUTLINE:

- All dimensions are in mm
- Tolerances: +/- 0.2 mm





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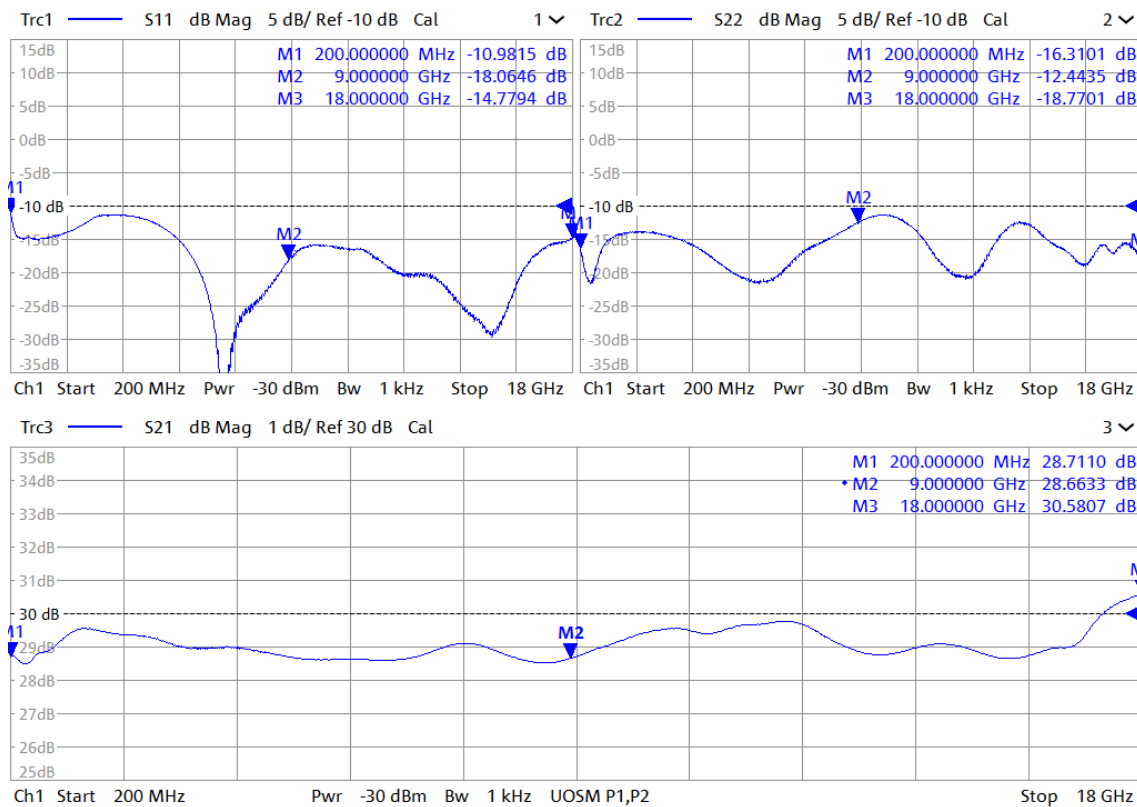


Figure 1: Small Signal Gain @ 25°C

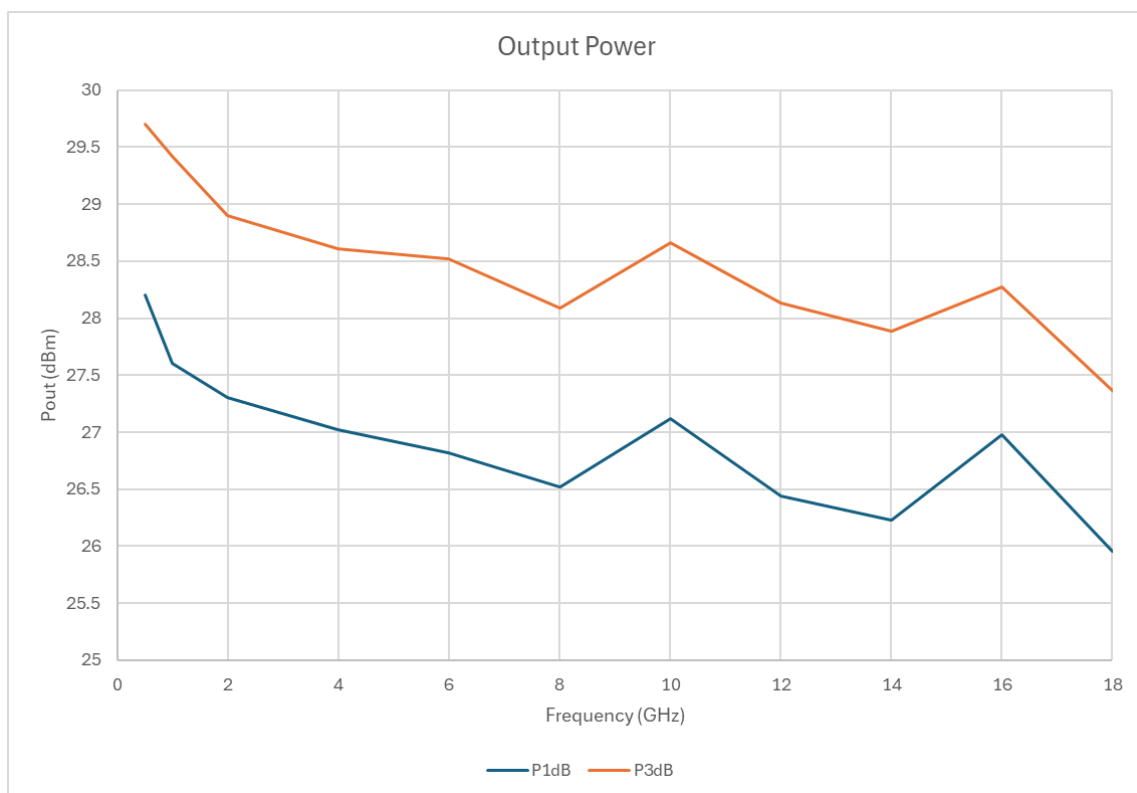


Figure 2: Output Power @ 25°C

REVISION HISTORY:

Rev. No.	Date	Description
P1	21-Mar-2025	Preliminary Release
A	23-Aug-2025	Original Release