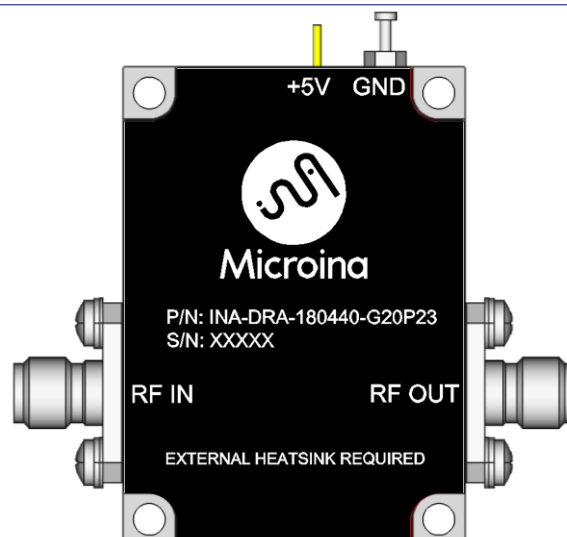


FEATURES:

- Broadband Performance
- Single Supply Voltage
- Internal Regulator
- Field Replacable 2.92 mm Connectors
- Humidity Protected Mechanical Package


ELECTRICAL SPECIFICATIONS:

Parameter	Min.	Typ.	Max.	Units
Operating Frequency	18000		44000	MHz
Small Signal Gain		20		dB
Gain Flatness		±2.5		dB
P _{1dB}		23		dBm
P _{SAT}		25		dBm
OIP3		33		dBm
PAE		10		%
Noise Figure (18-26 GHz)		10		dB
Noise Figure (26-44 GHz)		5		dB
Input VSWR		2.2:1		
Output VSWR		2.2:1		
Operating DC Voltage		+5		Volts
Operating DC Current		800		mA

*Electrical specifications are given at 25°C.

ABSOLUTE MAXIMUM RATING:

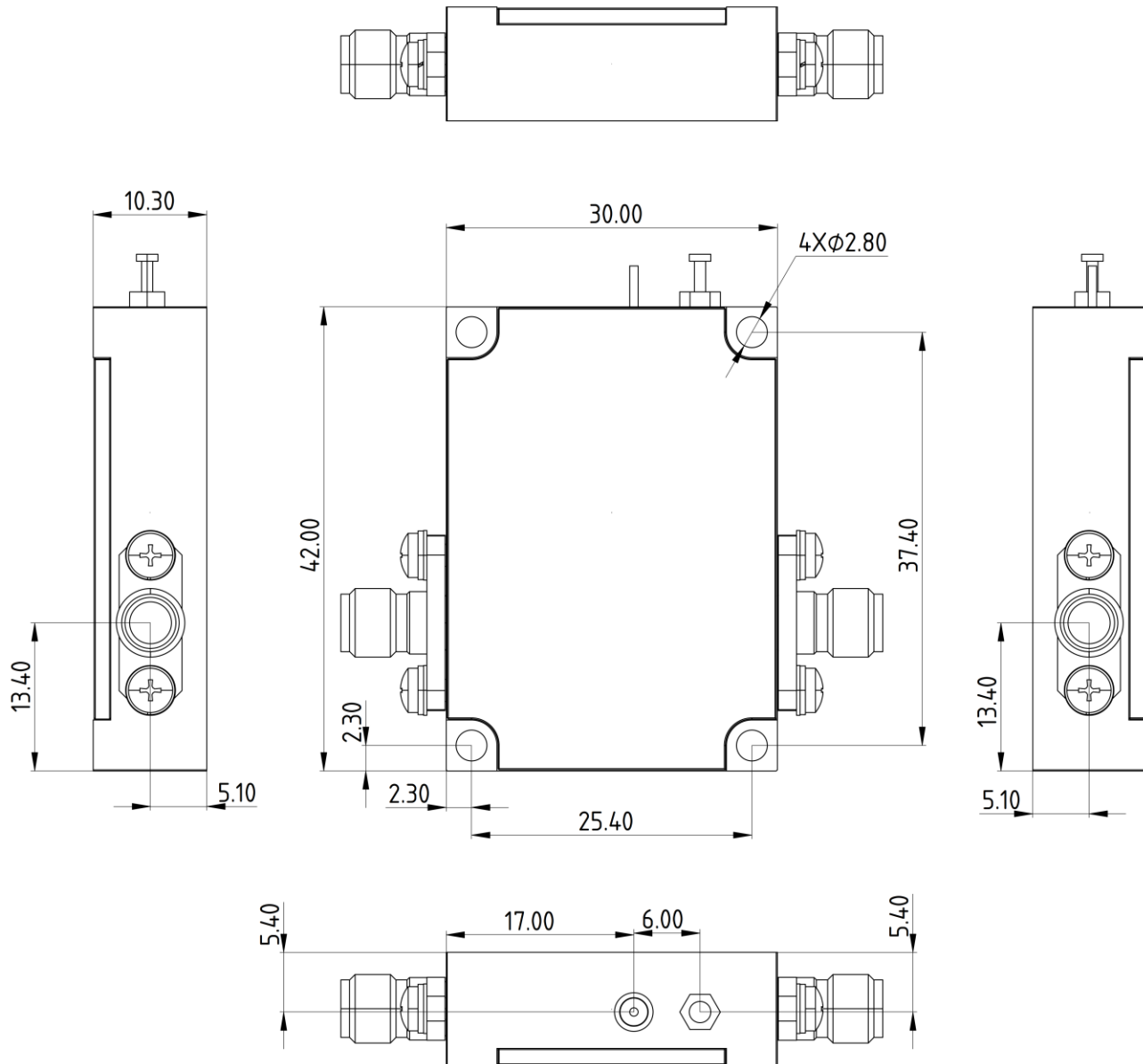
Parameter	Min.	Typ.	Max.	Units
DC Voltage			+5.5	Volts
RF Input Power			+20	dBm
Operating Case Temperature	-40		+70	°C
Storage Temperature	-40		+85	°C

MECHANICAL SPECIFICATIONS:

Parameter	Value	Units
Dimensions (L x W x H)	30 x 42 x 10.3	mm
RF Connector, Input	2.92 mm, Female	
RF Connector, Output	2.92 mm, 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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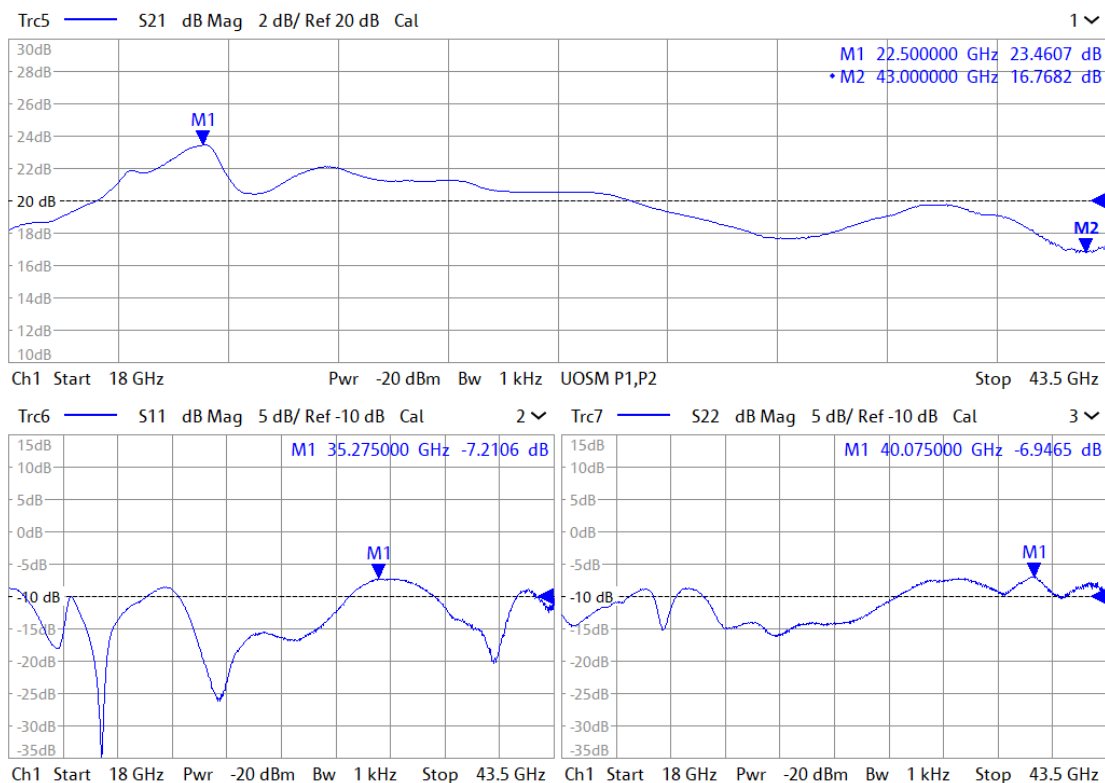


Figure 1: Small Signal Gain @ 25°C

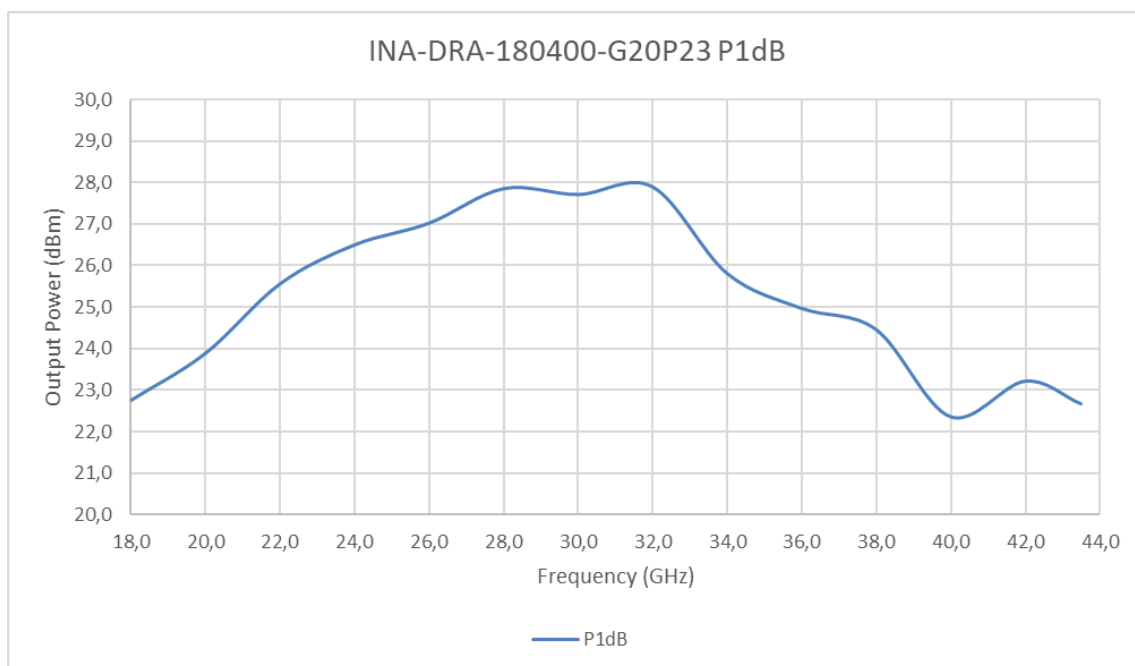


Figure 2: P1dB @ 25°C

REVISION HISTORY:

Rev. No.	Date	Description
P1	23-Aug-2025	Preliminary Release
A	13-Jan-2026	Original Release Updated <i>Electrical Specifications and Graphs</i>