



NARROW BAND MEDIUM POWER AMPLIFIER

MNM034042G2022

FEATURES

- Wide Bandwidth
- Low Power Consumption
- Low Noise Figure
- Miniature Sizes for drop-In Assembly
- Hermetically Sealed Package for Military Application

APPLICATIONS

- Microwave Radio & VSAT
- Military & Space
- Test Instrumentation
- Fiber Optics



ELECTRICAL SPECIFICATIONS@25°C:

Parameter	Min	Typical	Max	Units
Frequency Range	3.4		4.2	GHz
Small Signal Gain	20		22	dB
Small Signal Gain Flatness			±0.4	dB
Noise Figure			1.5	dB
Output Power 1dB compression	22			dBm
IP3				dBm
VSWR Input/output			1.4:1.6	Ratio
DC Power Supply		12		Volt
Current		170		mA

ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Max Input power			20	dBm
Operating Temperature	-55		+85	°C
Non-operating Temperature	-55		125	°C
Relative humidity (non-condensing)		95		%
Altitude (MIL-STD-810F)	10000		30000	feet
Shock / Vibration (MIL-STD-810F)		Airbone		

MECHANICAL SPECIFICATIONS:

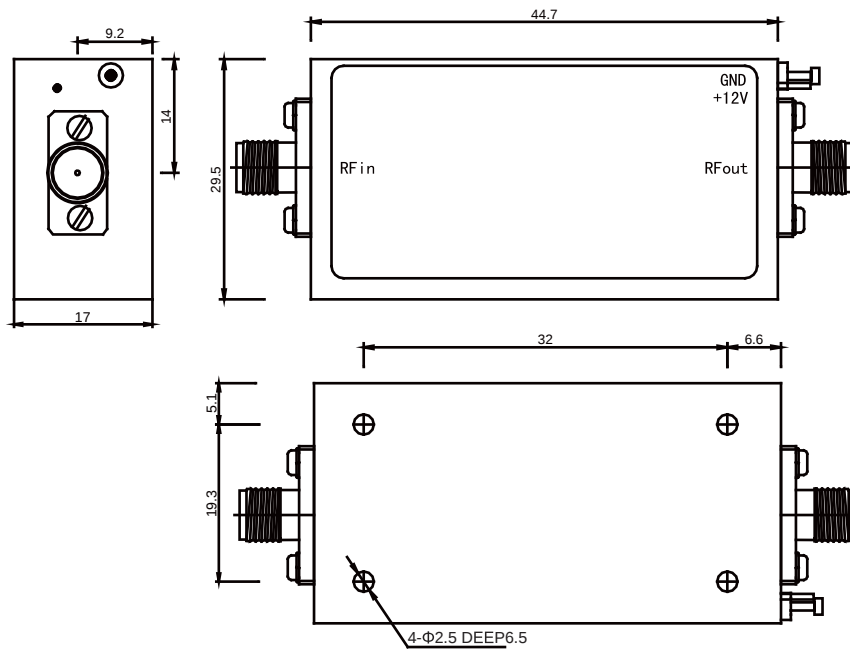
Parameter	Value	Limits	Units
Dimensions	44.7*29.5*17	Max	Millimeter
Weight	80	Max	gram
RF Connectors Input	SMA-F		
RF Connectors output	SMA-F		
Impedance	50		ohms



NARROW BAND MEDIUM POWER AMPLIFIER

MNM034042G2022

OUTLINE DRAWING(mm):



DH4