



NARROW BAND LOW NOISE AMPLIFIER

MNL017021G3810

FEATURES

- Wide Bandwidth
- Low Power Consumption
- Low Noise Figure
- Miniature Sizes, Field Removable connector
- Compact/Rugged Thin-Film Construction

APPLICATIONS

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



ELECTRICAL SPECIFICATIONS@25°C:

Parameter	Min	Typical	Max	Units
Frequency Range	1.7		2.1	GHz
Small Signal Gain		38±2		dB
Small Signal Gain Flatness		±1		dB
Small Signal Gain Variation		±2		dB
Noise Figure @25°C			1	dB
Output Power 1dB compression	10			dBm
IP3	20			dBm
VSWR Inputt/Output		1:1.8		Ratio
DC Power Supply		12		Volt
Current		170		mA

Note:Spurious (in-band & out fo band):≤-60dBc at P 1dB input; Harmonil level:-50dBc;
Max tolerable input power level without damage:10dBm min; Reverse Isolation:60dBc Typical.

ENVIRONMENTAL RATINGS:

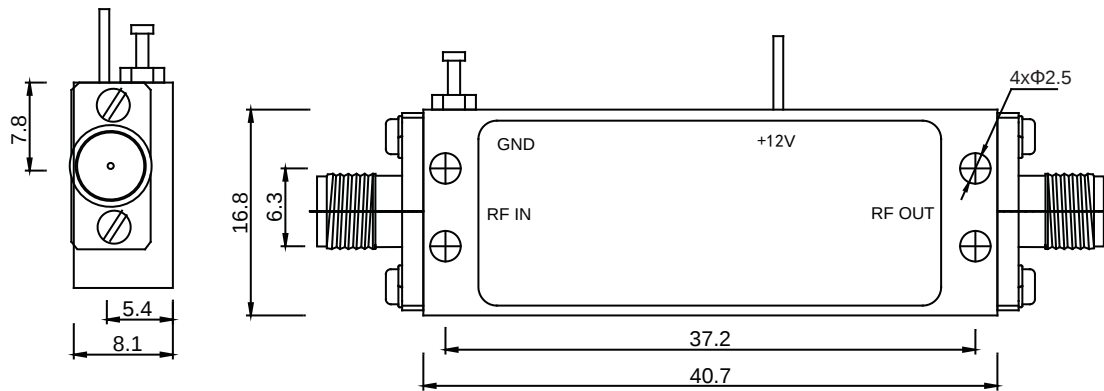
Parameter	Min	Typical	Max	Units
Max Input power			+20	dBm
Operating Temperature	-10		+55	°C
Non-operating Temperature	-20		+70	°C
Relative humidity (non-condensing)		95		%
Altitude (MIL-STD-810F)	10000		30000	feet
Shock / Vibration (MIL-STD-810F)		Airbone		

MECHANICAL SPECIFICATIONS:

Parameter	Value	Limits	Units
Dimensions	40.7*16.8*7.1	Max	Millimeter
Weight	50	Max	gram
RF Connectors Input	SMA-F		
RF Connectors output	SMA-F		
Impedance	50		ohms

Note:miniature size,drop-in ,SMT and customized specification is also available

OUTLINE DRAWING(mm):



BH3