



NARROW BAND LOW NOISE AMPLIFIER

MNL096105G3209

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	9.6		10.54	GHz
Small Signal Gain	31			dB
Small Signal Gain Flatness			±0.4	dB
Noise Figure			1.1	dB
Output Power 1dB compression	3			dBm
IP3			13	dBm
VSWR Input/output			1.8:1	Ratio
DC Power Supply		5		Volt
Current		30		mA

ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Max Input power			20	dBm
Operating Temperature	-55		+125	°C
Non-operating Temperature	-65		+150	°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*8.1	Max	Millimeter
Weight	50	Max	gram
RF Connectors Input	SMA-F		
RF Connectors output	SMA-F		
Impedance	50		ohms

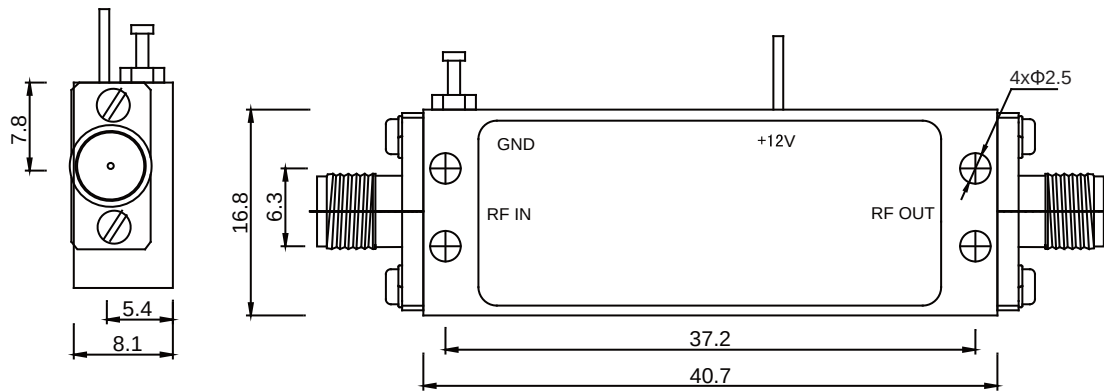
Note:miniature size,drop-in ,SMT and customized specification is also available



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OUTLINE DRAWING(mm):



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