



WIDE BAND LOW NOISE AMPLIFIER

MLB0218G1235

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	2		18	GHz
Small Signal Gain	12			dB
Small Signal Gain Flatness			±1.8	dB
Noise Figure			3.5	dB
Output Power 1dB compression	12			dBm
IP3		30		dBm
VSWR Input/output			2:1	Ratio
DC Power Supply		12		Volt
Current		150		mA

ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Max Input power			+20	dBm
Operating Temperature	-40		+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	34.4*16.8*8.1	Max	Millimeter
Weight	50	Max	gram
RF Connectors Input	SMA-F		
RF Connectors output	SMA-F		
Impedance	50		ohms

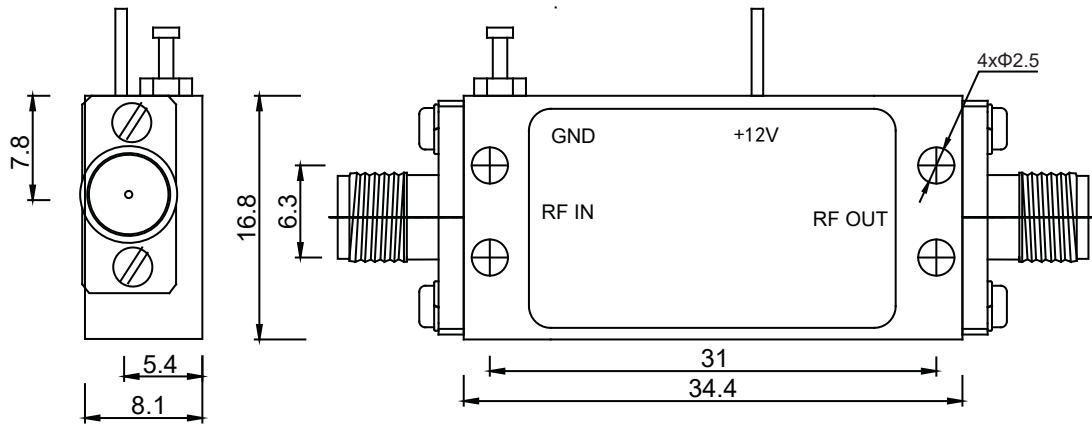
Note:miniature size,drop-in ,SMT and customized specification is also available



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OUTLINE DRAWING(mm):



BH2

TEST DATA:

Frequency range(GHZ)	GAN(Min) ≥12dB	Gain Flatness ≤±1.8dB	Noise Figure (dB.Max)≤3.5dB	Output Power P-1 (dB.Min)≥12dBm	Input VSWR Max≤2	Output VSWR Max≤2	DC Power Supply @+12V (mA)
2-18	12.1	±1.4	3.5	13	1.66	1.95	70