

### 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	8		12	GHz
Small Signal Gain	10		15	dB
Small Signal Gain Flatness		±1.5		dB
Noise Figure				dB
Output Power 1dB compression	21		23	dBm
IP3				dBm
VSWR			2:1	Ratio
DC Power Supply		12		Volt
Current		300		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:

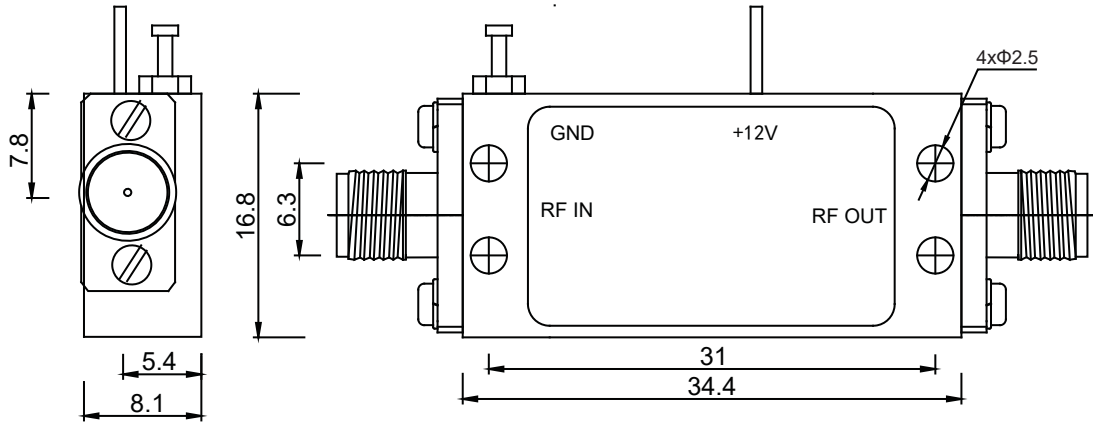
Parameter	Value	Limits	Units
Dimensions	34.4*16.8*8.1		Milimeter
Weight	40		gram
RF Connectors Input	SMA-F		
RF Connectors output	SMA-F		
Impedance	50		Ohms

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



# WIDE BAND MEDIUM POWER AMPLIFIER MBM0812G1023

## OUTLINE DRAWING(mm):



BH2