



WIDE BAND MEDIUM POWER AMPLIFIER

MBM0218G3020

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	30			dB
Small Signal Gain Flatness			±2.0	dB
Noise Figure			3.5	dB
Output Power 1dB compression	20			dBm
IP3				dBm
VSWR			2:1	Ratio
DC Power Supply		12		Volt
Current		300		mA

ENVIRONMENTAL RATINGS:

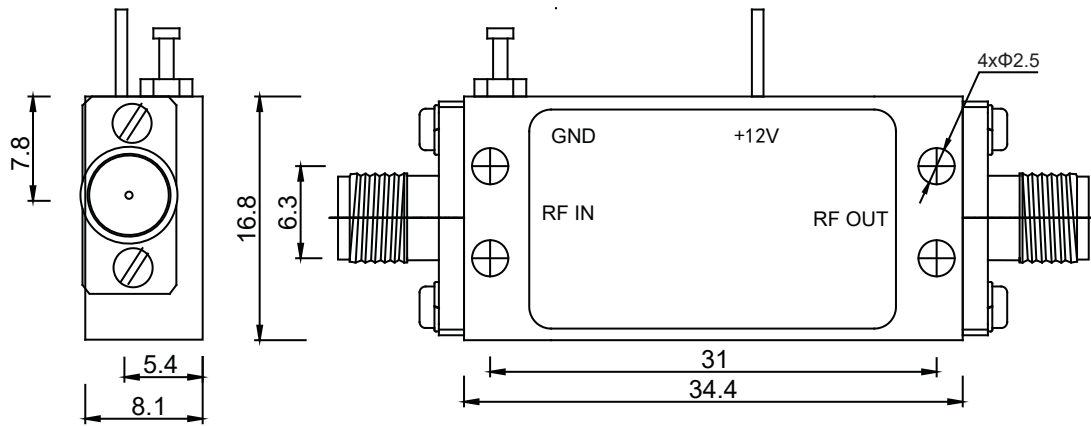
Parameter	Min	Typical	Max	Units
Max Input power			+20	dBm
Operating Temperature	-40		+85	°C
Non-operating Temperature	-55		+125	°C
Relative humidity (non-condensing)		95		%
Altitude (MIL-STD-810F)	10000		30000	feet
Shock / Vibration (MIL-STD-810F)		Airbone		

MECHANICAL SPECIFICATIONS:

Parameter	Value	Limits	Units
Dimensions	34.4*16.8*8.1		Millimeter
Weight	50		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):



BH2

TEST DATA:

Frequency Range	Gain	Gain Flatness	Noise Figure	Input VSWR	Output VSWR	P-1	Current
2~18G	30dB (min)	2.0dB(max)	3.5 (max)	2.0 (max)	2.0 (max)	20dBm (min)	300mA(type)
2~18G	34.01	1.35	2.49	1.97	1.92	20.5	182

