



WIDE BAND MEDIUM POWER AMPLIFIER

MBM0618G3131

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	6		18	GHz
Gain	31			dB
Gain Flatness			±2.75	dB
Noise Figure			8	dB
Noise Temperature			864.5	K
Output Power 1dB compression	31			dBm
VSWR			2:1	Ratio
DC Power Supply		15		Volt
Current		2.7		A

ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Max Input power				dBm
Operating Temperature	-30		+55	°C
Non-operating Temperature	-40		+85	°C
Relative humidity (non-condensing)		95		%
Altitude (MIL-STD-810F)	10000		30000	feet
Shock / Vibration (MIL-STD-810F)		Airbone		

MECHANICAL SPECIFICATIONS:

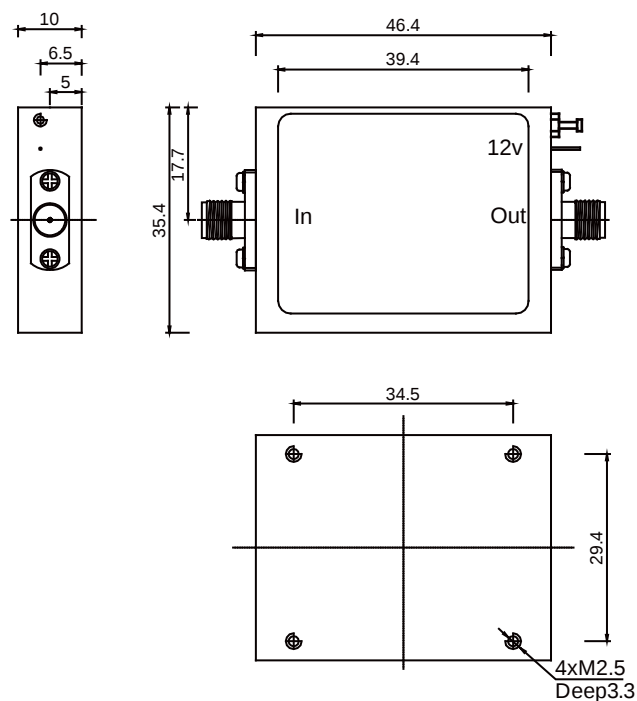
Parameter	Value	Limits	Units
Dimensions	46.4*35.4*10	Max	Millimeter
Weight	80	Max	gram
RF Connectors Input	SMA-F		
RF Connectors output	SMA-F		
Impedance	50		ohms

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



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OUTLINE DRAWING(mm):



DH10