



WIDE BAND MEDIUM POWER AMPLIFIER

MBM0812G3823

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		12.4	GHz
Small Signal Gain	38			dB
Small Signal Gain Flatness			±1.75	dB
Noise Figure			5	dB
Output Power 1dB compression	23			dBm
IP3				dBm
VSWR			2:1	Ratio
DC Power Supply		12		Volt
Current		500		mA

ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Max Input power			+20	dBm
Operating Temperature	-55		+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	44.7*29.5*17		Milimeter
Weight	80		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):

