



SOLID STATE HIGH POWER AMPLIFIER

MPH010030G1740

FEATURES

- Wide Bandwidth
- Low Power Consumption
- Low Noise Figure
- Miniature Sizes for drop-In Assembly
- Hermetically Sealed Package for Military Application

APPLICATIONS

- Microwave Radio & VSAT
- Military & Space
- Test Instrumentation
- Fiber Optics



ELECTRICAL SPECIFICATIONS@25°C:

Parameter	Min	Typical	Max	Units
Frequency Range	1		3	GHz
Gain	17		19	dB
Peak RF power		+40		dBm
O IP3		49		dBm
Input Level			0	dBm
VSWR			2.5	Ratio
DC Power Supply		28		Volt
Current			4	A

ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Max Input power			+25	dBm
Operating Temperature	-40		+70	°C
Non-operating Temperature	-65		+125	°C
Relative humidity (non-condensing)		95		%
Altitude (MIL-STD-810F)	10000		30000	feet
Shock / Vibration (MIL-STD-810F)		Airbone		

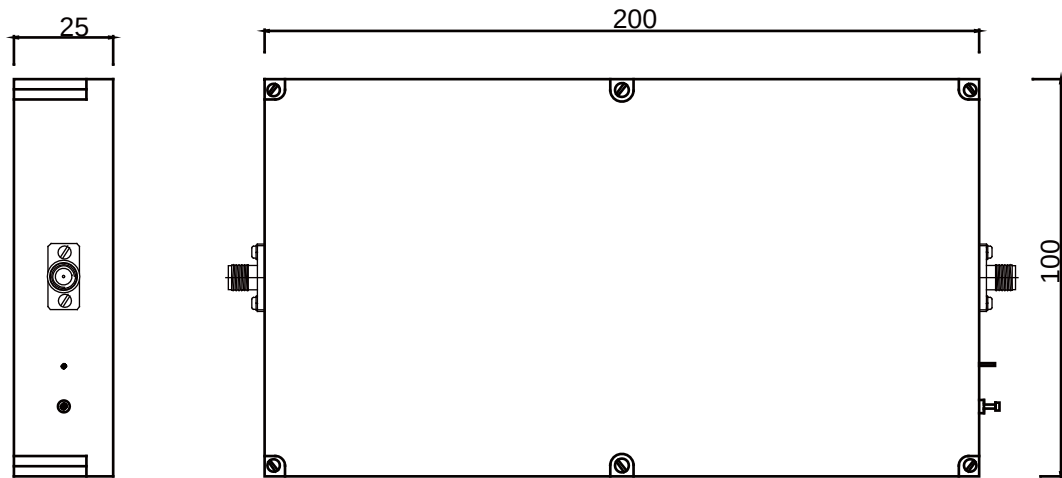
PROTECTIONS:

Input Power Overdrive	+10 dBm	Max
Load VSWR	∞ @ all load phase & amplitude for duration of 1 minute 3:1 @ all load phase & amplitude continuous	Nom
Thermal Overload	85°C shutdown	Max

MECHANICAL SPECIFICATIONS:

Parameter	Value	Limits	Units
Dimensions	200*100*25	Max	Millimeter
Weight	300	Max	gram
RF Connectors Input	SMA-F		
RF Connectors output	SMA-F		
Impedance	50		ohms

OUTLINE DRAWING(mm):



PM4