

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	2		6	GHz
Small Signal Gain		25		dB
Small Signal Gain Flatness			±2.2	dB
Noise Figure			7	dB
Psat Output		40		dBm
Third Order Intercept Point				dBm
Harmonics		-20		dBc
Spurious Signals		-60		dBc
VSWR Input/output		1.8:2.0		Ratio
DC Power Supply		10		Volt
Current		3.8		A

ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Max Input power			+25	dBm
Operating Temperature	-55		+85	°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



SOLID STATE HIGH POWER AMPLIFIER

MPH020060G2540

MECHANICAL SPECIFICATIONS:

Parameter	Value	Limits	Units
Dimensions		Max	Millimeter
Weight		Max	gram
RF Connectors Input	SMA-F		
RF Connectors output	SMA-F		
Impedance	50		ohms

INTERFACE CONNECTION:

Pin #	Description	Specifications
1	GND	Ground
2	+12 VDC	+11 to ± 1 VDC
3	Shutdown	Amplifier Enable: TTL "Low" or Open Amplifier Disable: TTL "High"

OUTLINE DRAWING(mm):