

Model **SM2023-37H** is an 2000 to 2300 MHz solid state GaAs amplifier designed for multi-purpose use in various wireless applications. This module provides +37 dBm of output power at P1dB, and OIP3 of +50 dBm. The gain flatness over the full band is  $\pm .5$  dB. It comes standard in modular form with four (4) thru-holes for mounting.



### Features

- Mis-Match Protected
- Single Power Supply
- Over/Reverse Voltage Protection
- Thermal Protection with Auto Reset

### Options

- Logic On/Off Control
- Integral Heatsink

### Configurations

- Module
- Laboratory Unit
- 19" Rack

Parameter	Specification
Frequency Range	2.0 – 2.3 GHz
Pout (P1dB)	+ 37 dBm (min.)
Third Order Intercept Point	+ 50 dBm (min.)
Linear Gain	34 dB $\pm$ 1 dB
Gain Flatness over Full Band	$\pm .5$ dB
Input/Output VSWR	-16 dB
DC Input Voltage	+ 12 Volts
DC Input Current	1.9 Amperes (typ.)
Mechanical Dimensions	5.0 x 2.5 x .6 inches
RF Connectors	SMA Female
Operating Temperature	0°C to +55°C
Operating Humidity	95% Non-condensing
Operating Altitude	Up to 10,000 feet above Sea Level

