

The **SM2527-37HS** is a 2.5-2.7 GHz solid state GaAs amplifier designed for the Multichannel Multipoint Distribution System (MMDS) market. The output power (P1dB) is +37 dBm, the OIP3 is +50 dBm, and the linear gain is 34 dB. The unit uses the latest surface mount technologies to provide numerous features, while maintaining a very small size.

Features

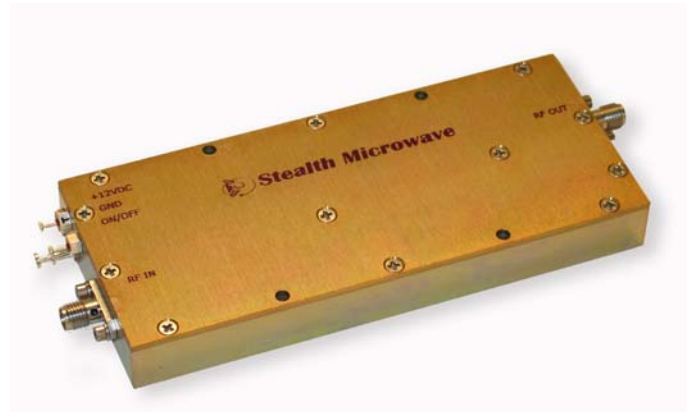
- Single Power Supply
- Over Voltage Protection
- Thermal Protection with Auto Reset

Options

- Logic On/Off Control
- Heatsink

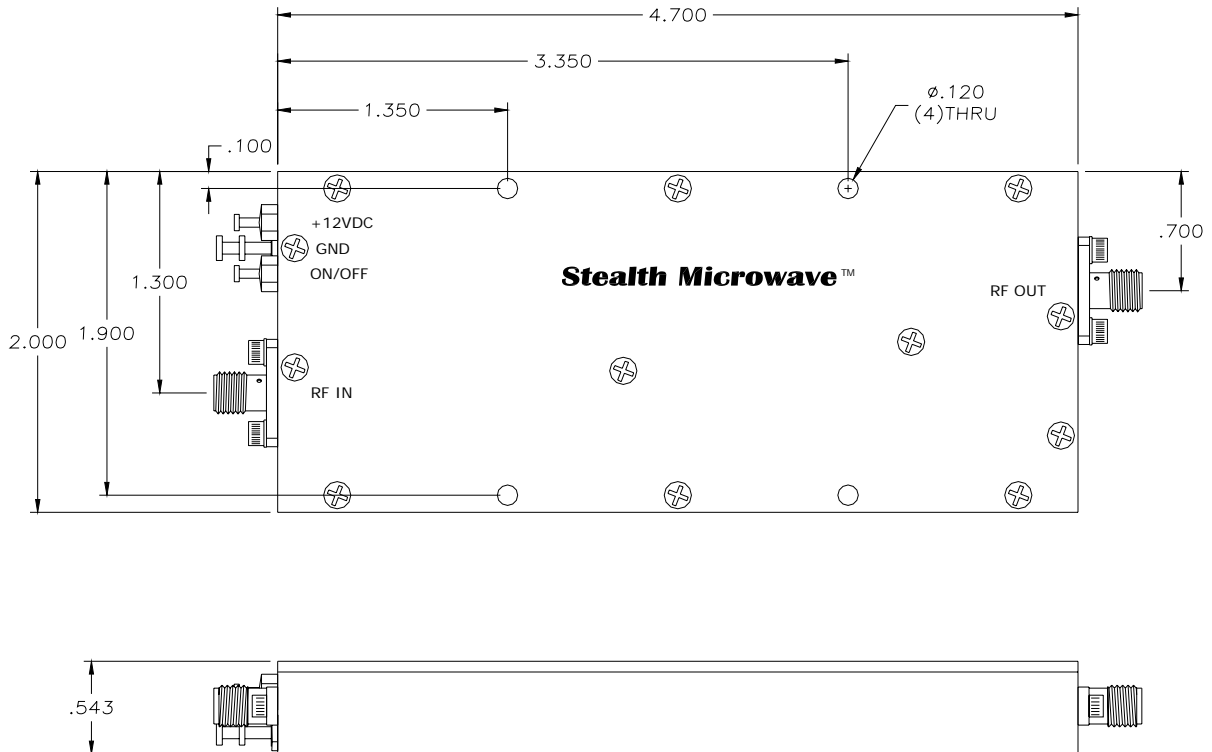
Configurations

- Module
- 19" Rack



Parameter	Specification
Frequency Range	2.5 – 2.7 GHz
Pout (P1dB)	+ 37 dBm
Third Order Intercept Point	+ 50 dBm
Linear Gain	34 dB ± 1.0 dB
Gain Flatness over Full Band	± .5 dB
Input/Output Return Loss	-16 dB / -16 dB
DC Input Voltage	+12 Volts (+10 V Operation Available)
DC Input Current	1.9 Amperes (typ.)
Mechanical Dimensions	4.7 x 2.0 x .54 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

DIMENSIONS IN INCHES



Pin	Description	Values
RF IN	Input Connector (SMA Female)	+3 dBm typ.
RF OUT	Output Connector (SMA Female)	+ 37 dBm @ P1dB
GND	Ground Turret	---
+12 VDC	DC Input Voltage	+ 12 Volts @ 1.9 Amperes
ON/OFF	TTL Logic On/Off	0 Volts = Off, +5 Volts = On

Specifications subject to change without notice.