

Stealth Microwave's **SM08010-34HS** is an 800-1000 MHz solid state GaAs amplifier designed for multiple wireless markets. **With 200 MHz of instantaneous bandwidth**, the amplifier can be used in most GSM and Cellular applications. The P1dB is +34 dBm, the IP3 is typically +47 dBm, the linear gain is 36 dBm, and the gain flatness across the band is  $\pm 0.5$  dB. The amplifier operates off a single DC supply of +12 V, with +10 V available as an option. The unit uses the latest surface mount technologies to provide numerous features, while maintaining a very small size.

### Features

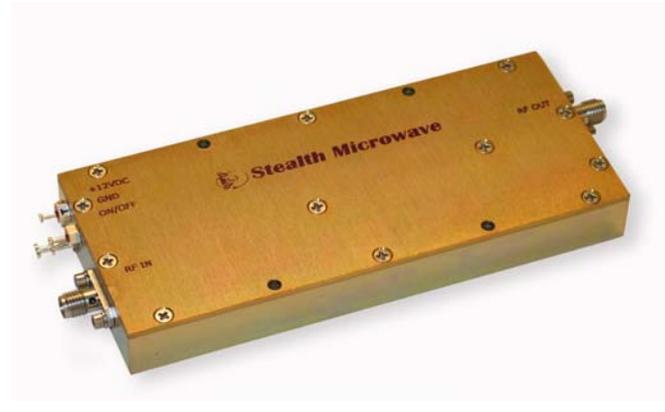
- Mis-Match Protected
- Single Power Supply
- Over Voltage Protection
- Thermal Protection with Auto Reset

### Options

- Logic On/Off Control
- Integral Heatsink
- Single DC Supply of +10 V

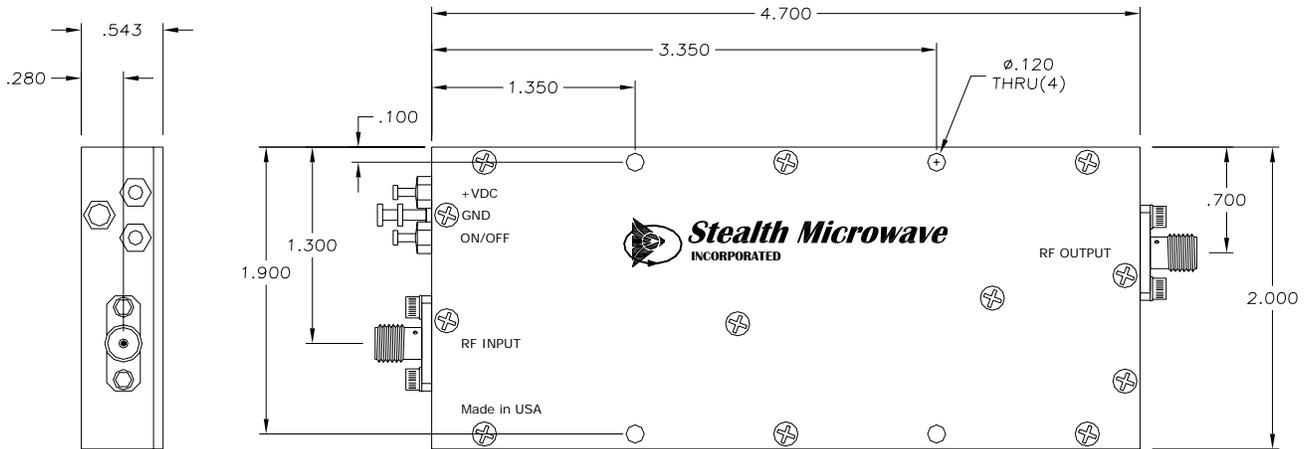
### Configurations

- Module
- Bench-Top Lab Unit
- 19" Rack Mount

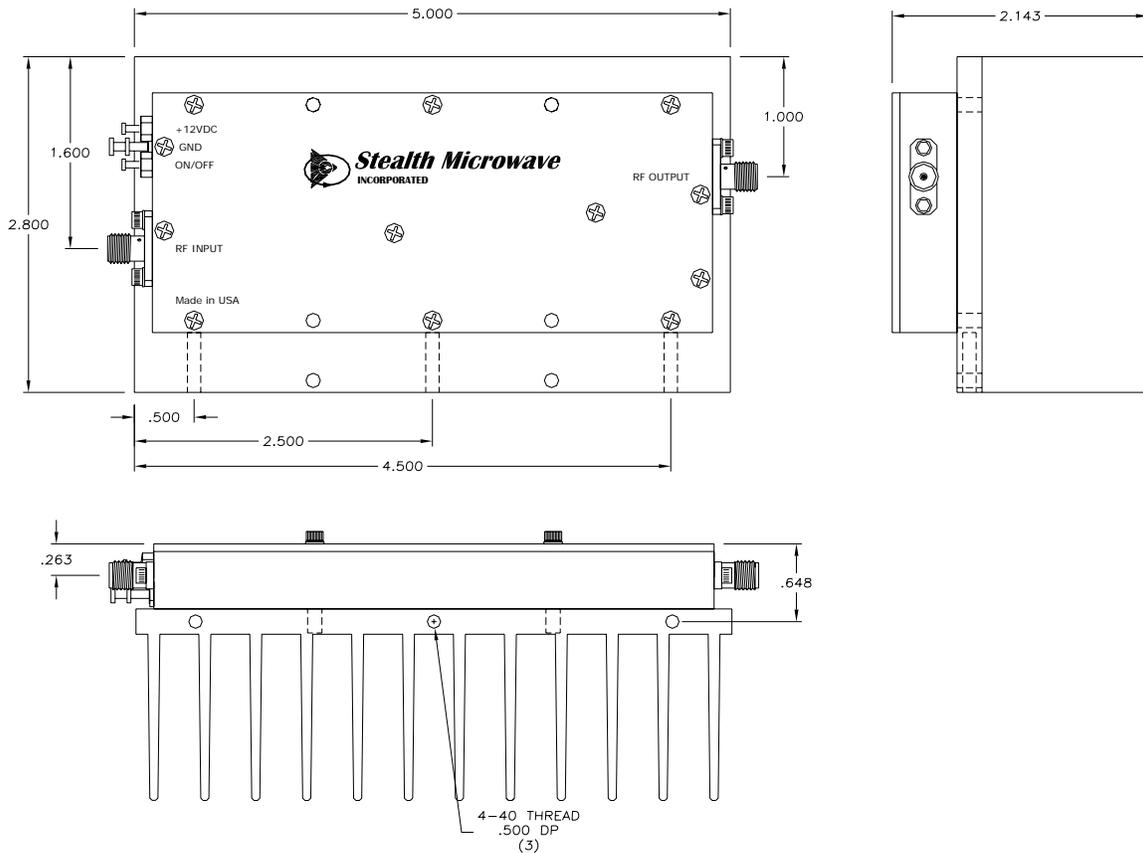


Parameter	Specification
Frequency Range	800 - 1000 MHz
Pout (P1dB)	+ 34 dBm
Third Order Intercept Point	+ 47 dBm (typ.)
Linear Gain	36 dB $\pm$ 1.0 dB
Gain Flatness over Full Band	$\pm .5$ dB
Input/Output Return Loss	-16 dB / -16 dB
DC Input Voltage	+12 Volts (+10 Volts available)
DC Input Current	1.2 Amperes (typ.)
Mechanical Dimensions	4.7 x 2.0 x .54 inches
RF Connectors	SMA Female
Operating Temperature (Baseplate)	0°C to +55°C
Operating Humidity	95% Non-condensing
Operating Altitude	Up to 10,000 feet above Sea Level

**DIMENSIONS IN INCHES**



**HEATSINK OPTION**



Pin	Description	Values
RF Input	Input Connector (SMA Female)	0 dBm max
RF Output	Output Connector (SMA Female)	+ 34 dBm @ P1dB
GND	Ground Turret	---
+ VDC	DC Input Voltage	+ 12 Volts
On/Off	TTL Logic On/Off	0 Volts = Off, +5 Volts = On

*Specifications subject to change without notice.*