

The **SM1727-34HSQ** is a solid state GaAs amplifier designed for multiple wireless markets **With 1 GHz of instantaneous bandwidth**, the amplifier can be used in many applications. This highly linear design provides a high output third order intercept for use with complex modulated signals such as OFDM, DVB, and WiMAX.

### Features

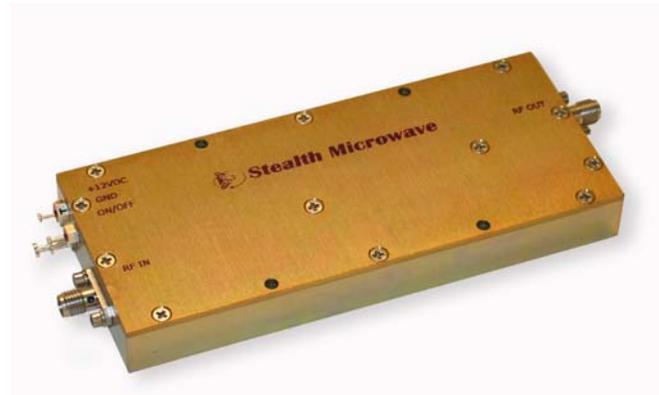
- Over Voltage Protection
- Thermal Protection with Auto Reset

### Options

- Single DC Supply of +10V
- Logic On/Off Control
- Integral Heatsink
- High speed switching for TDD

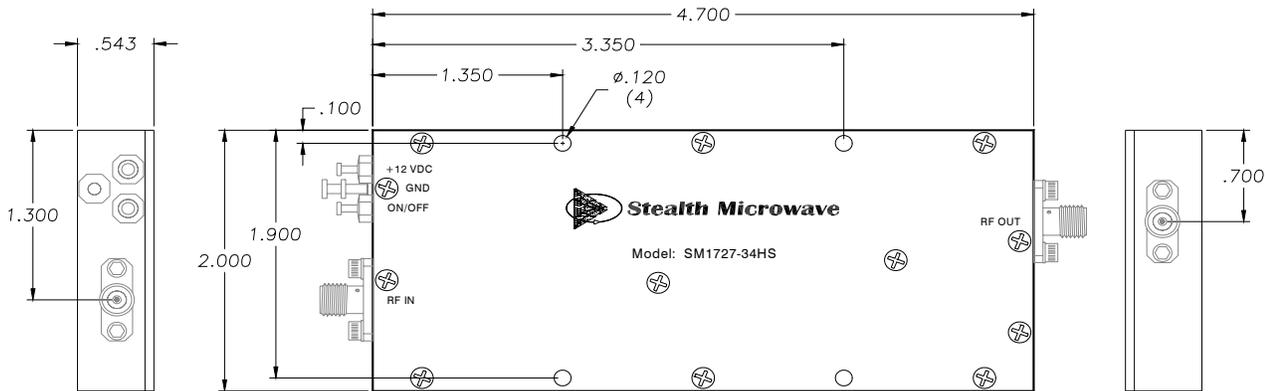
### Configurations

- Module
- Laboratory Unit
- 19" Rack



Parameter	Specification
Frequency Range	1.7 – 2.7 GHz
Pout (P1dB)	+ 34 dBm
Third Order Intercept Point	+ 47 dBm (typ.)
Linear Gain	36.5 dB ± 1.0 dB
Gain Flatness over Full Band	± .75 dB
Input/Output Return Loss	-16 dB / -16 dB
DC Input Voltage	+12 Volts (+10 V Operation Available)
DC Input Current	1.2 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 Input	Input Connector (SMA Female)	+1 dBm typ.
RF Output	Output Connector (SMA Female)	+ 34 dBm @ P1dB
GND	Ground Turret	---
+12 VDC	DC Input Voltage	+ 12 Volts @ 1.2 Amperes
On/Off	TTL Logic On/Off	0 Volts = Off, +5 Volts = On

*Specifications subject to change without notice.*