

Model **SM0825-33/33H** is an 800 to 2500 MHz solid state GaAs amplifier designed for many applications that need high linearity, wide bandwidth, and low current consumption.



Features

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

Options

- Logic On/Off Control
- Integral Heatsink
- High Speed Switching for TDD

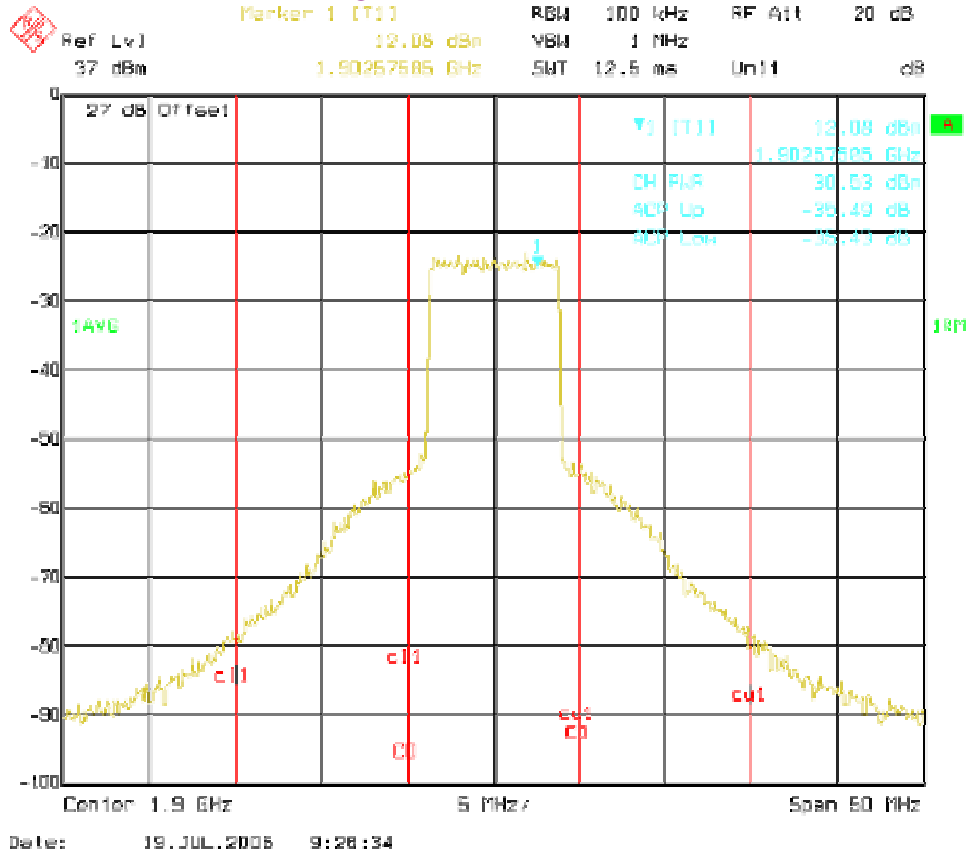
Configurations

- Module
- Laboratory Unit
- 19" Rack

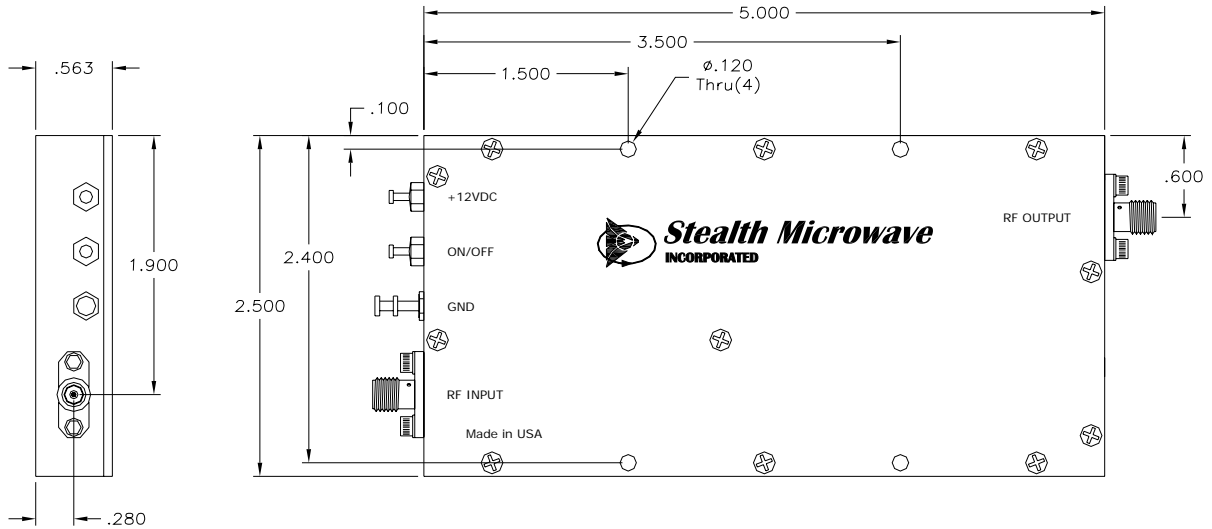
Parameter	Specification
Frequency Range	800 – 2500 MHz
Pout (P1dB)	+ 33 dBm (min.)
Third Order Intercept Point	+ 45 dBm (min.)
Linear Gain	20 dB \pm 1.0 dB (-33) 35 dB \pm 1.0 dB (-33H)
Gain Flatness over Full Band	\pm .75 dB
Input/Output Return Loss (dB)	-10/-14 (-33) -16/-14 (-33H)
DC Input Voltage	+ 12 Volts
DC Input Current	1.1 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

COFDM PERFORMANCE

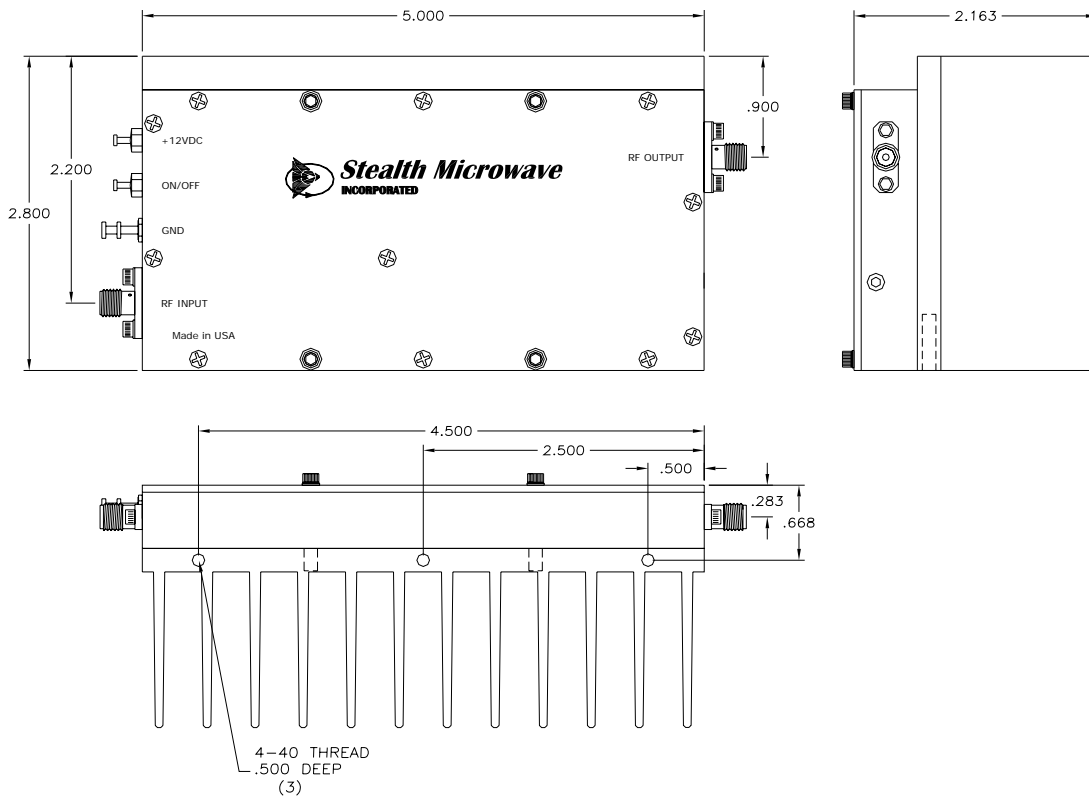
64QAM @ 30dBm Pout



DIMENSIONS IN INCHES



HEATSINK OPTION



Pin	Description	Values
RF Input	Input Connector (SMA Female)	+ 4 dBm (max.)
RF Output	Output Connector (SMA Female)	+ 36 dBm (min.)
GND	Ground Turret	---
+12VDC	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.