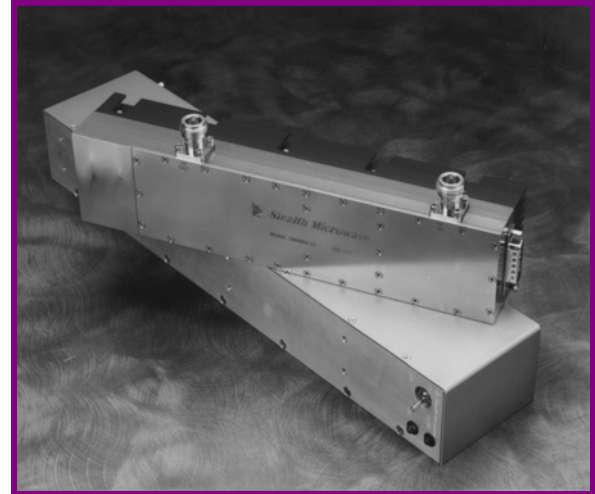


This solid state GaAs Telcom Amplifier is an exact “drop-in” for the Siemens RW289 TWT. For 64 QAM modulated radio links such as the AT&T DR6-135, this compact amplifier can deliver 38 dBm, error free.

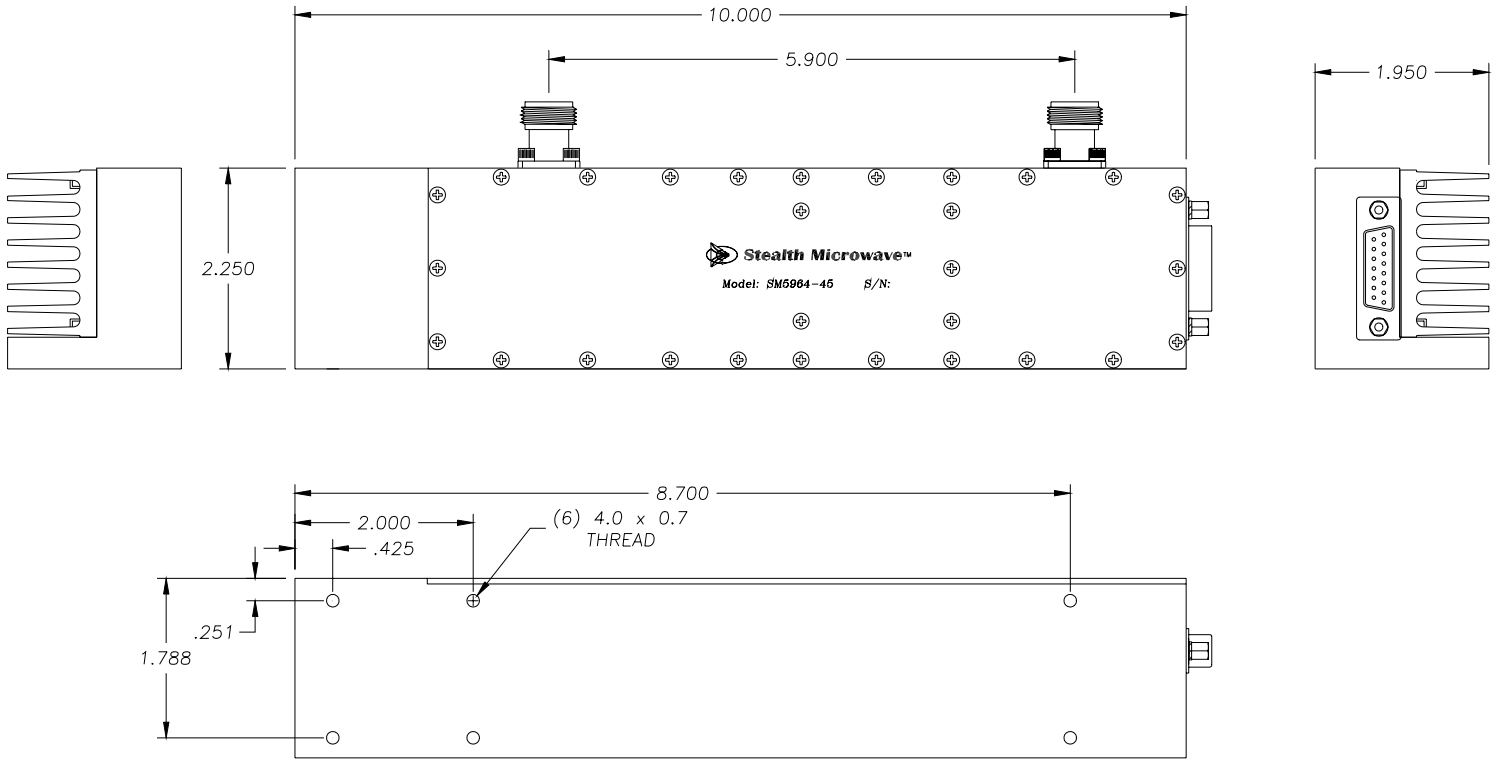
The SM5964-45 is a complete kit consisting of the amplifier, power supply, and cable and installation instructions.

The amplifier features TWT type gain and gain flatness, Single DC Supply, Over Voltage Protection, Temperature Compensation, and Excess Thermal Protection.



Parameter	Specification
Frequency Range	5.925 - 6.425 GHz
Pout (P1dB)	+ 45 dBm
Third Order Intercept Point	+ 55 dBm
Linear Gain	45 dB \pm 2 dB
Gain Flatness over 40 MHz	\pm 0.25 dB max.
Gain Change over Temperature	\pm 0.30 dB
Input/Output Return Loss (Cold)	12 dB min.
DC Supply to Amplifier	+ 12 V @ 12.5 Amps
DC Input Voltage to Power Supply	- 21 V to - 56 V
DC Input Current to Power Supply	6.4 A @ - 24V, 3.3 A @ - 48V
Mechanical Dimensions	10 x 2.0 x 2.3 inches
RF Connectors	Female N-Type
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 (Female N-Type)	---
RF OUT	Output Connector (Female N-Type)	---
+12VDC	DC Input Voltage (15 pin D-Sub Conn.)	+ 12 Volts @ 12.5 Amps (typ.)

Specifications subject to change without notice.