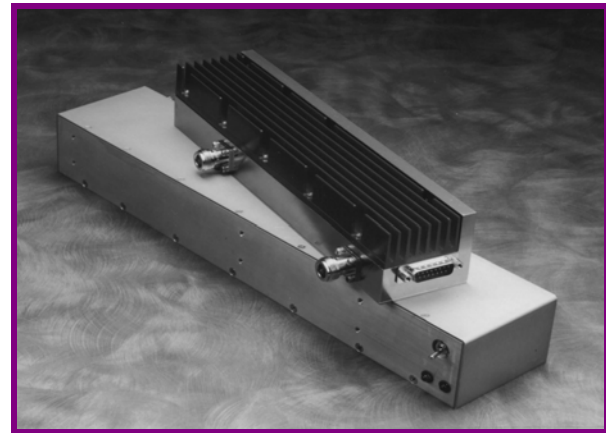


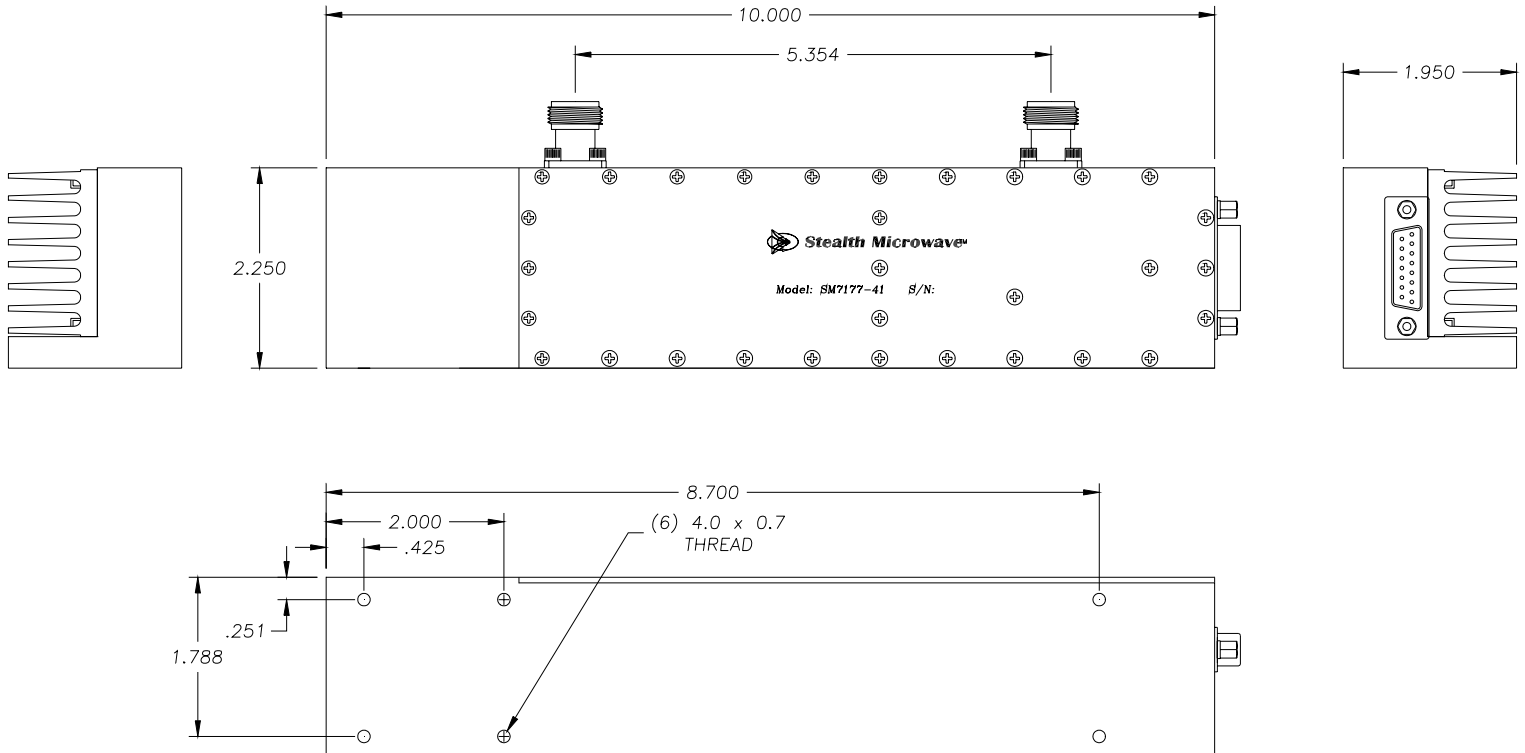
This solid state GaAs Telcom Amplifier is an exact “drop-in” for the Siemens RW290 TWT (Upper Rack of Alcatel MDR4X08 Microwave Radio). This compact amplifier can deliver 20 Watts at its 1 dB compression point.

The SM7785-43A is a complete kit consisting of the amplifier, 19 inch rack power supply, 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	7.725 - 8.500 GHz
Pout (P1dB)	+ 43 dBm
Third Order Intercept Point	+ 51 dBm
Linear Gain	48 dB \pm 2 dB (46 min)
Gain Flatness over 40 MHz	\pm 0.25 dB max.
Gain Change over Temperature	\pm 0.30 dB
Input/Output Return Loss (Cold)	10 dB min.
DC Input Voltage to Power Supply	- 21 V to - 56 V
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 @ 9.5 Amps (typ.)

Specifications subject to change without notice.