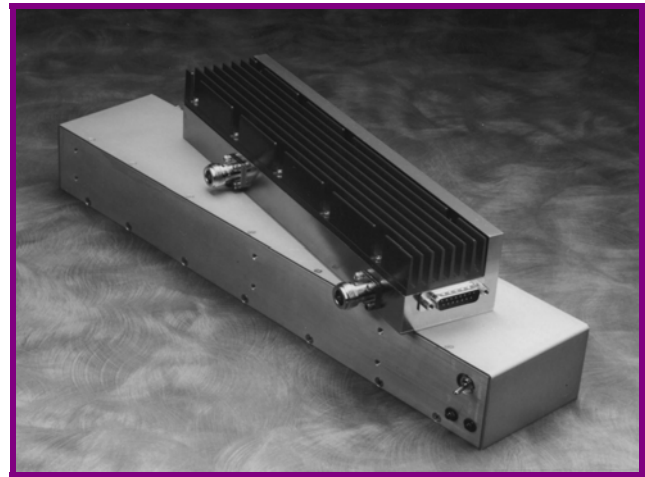


This solid state GaAs Telcom Amplifier is an exact “drop-in” for the Siemens RW90D TWT. For FM and 8 PSK/16 QAM modulated radio links manufactured by Alcatel and Farinon/Harris, this compact amplifier can deliver 12 Watts at its 1 dB compression point.

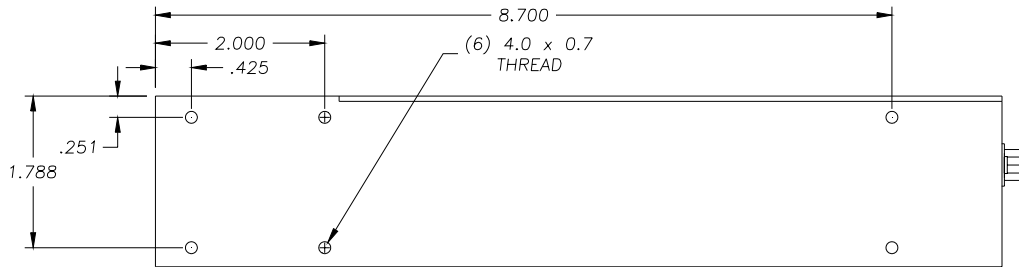
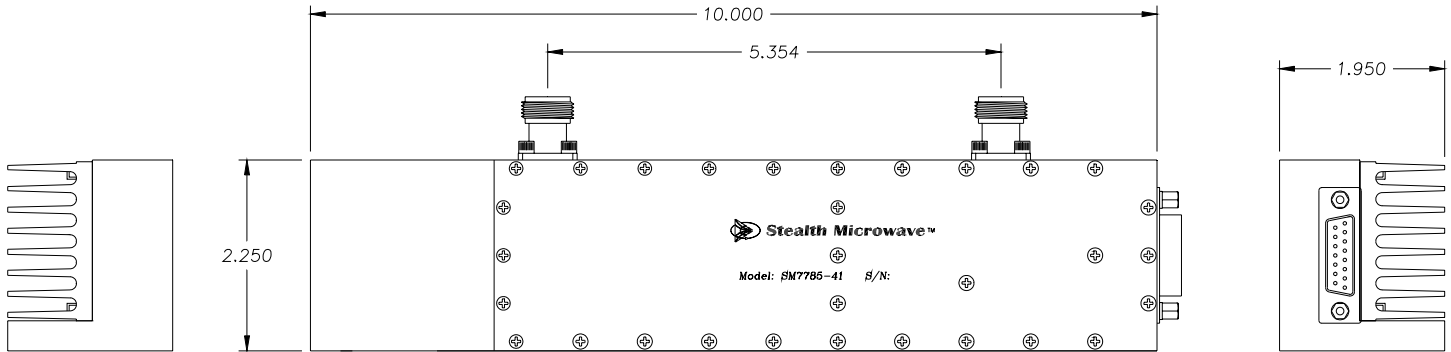
The SM7785-41 is a complete kit consisting of the amplifier, 19 inch rack power supply, cable and installation instructions.

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)	+ 41 dBm
Third Order Intercept Point	+ 51 dBm
Linear Gain	45 dB ± 1 dB
Gain Flatness over 40 MHz	±.25 dB max.
Gain Change over Temperature	± .30 dB
Input/Output Return Loss (Cold)	10 dB min.
DC Supply to Amplifier	+ 12 V @ 7.2 Amps
DC Input Voltage to Power Supply	- 21 V to - 56 V
DC Input Current to Power Supply	4.0 A @ - 24V, 2.0 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 @ 7.2 Amps (typ.)

Specifications subject to change without notice.