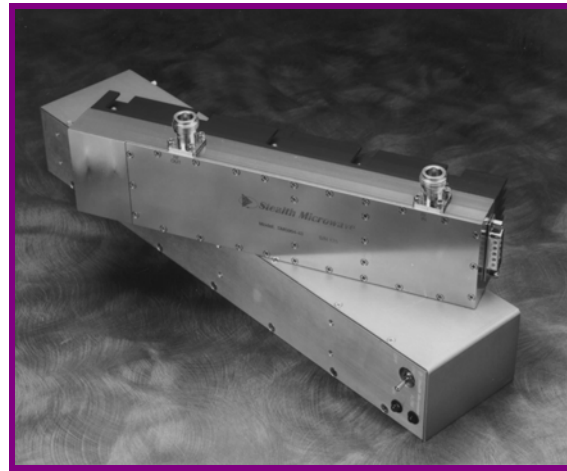


This solid state GaAs Telcom Amplifier is an exact “drop-in” for the Siemens RW248 TWT. For 16/64 QAM modulated radio links manufactured by Alcatel. This compact amplifier can deliver 20 Watts at its 1 dB compression point.

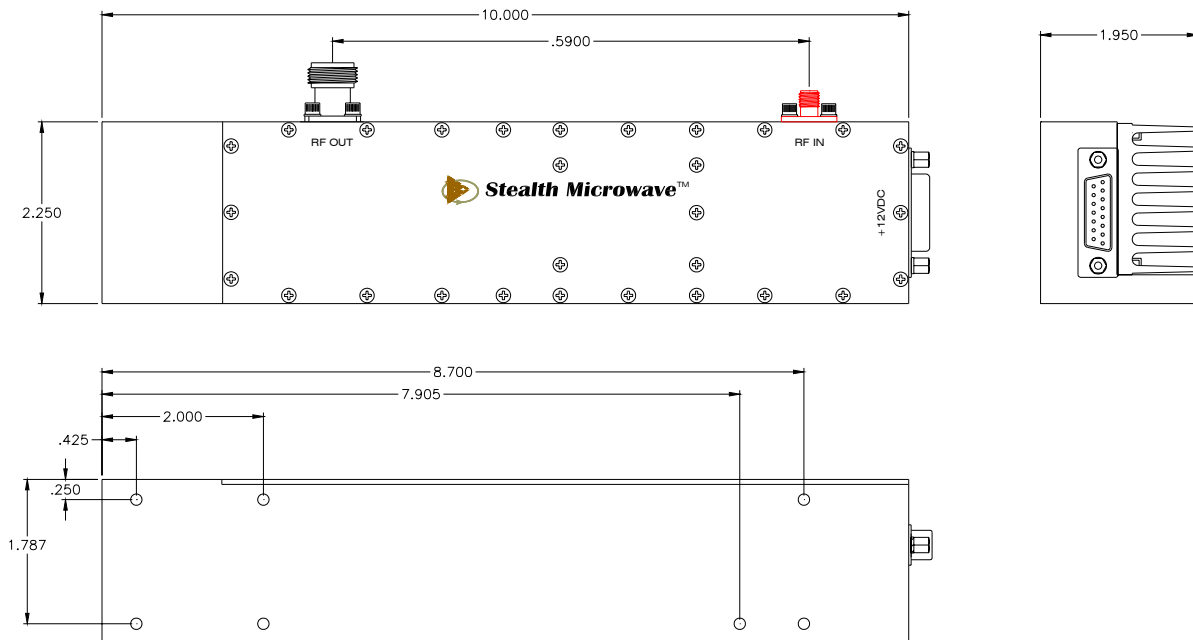
The SM4450-43 is a complete kit consisting of the amplifier, power supply, cable and installation instructions.

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	4.4 - 5.0 GHz
Pout (P1dB)	+ 43 dBm
Third Order Intercept Point	+ 51 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 @ 8.3 Amps
DC Input Voltage to Power Supply	- 21 V to - 56 V
DC Input Current to Power Supply	4.5 A @ - 24V, 2.2 A @ - 48V
Mechanical Dimensions	10 x 2.0 x 2.3 inches
RF Connectors	RF Input: Female N-Type SMA RF Output: 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 SMA-Type)	---
RF OUT	Output Connector (Female N-Type)	---
+12VDC	DC Input Voltage (15 pin D-Sub Conn.)	+ 12 Volts @ 8.3 Amps (typ.)

*Specifications subject to change without notice.*