

The **SM3437-43** is a 3.4 to 3.7 GHz solid state GaAs FET amplifier designed for the Wireless Local Loop markets. The amplifier provides 50 dB of linear gain with a P1dB of +43 dBm. The unit provides ultra-linear performance for rigorous system requirements. It is available in modular form (standard), or in 19" rack mountable form.

Features

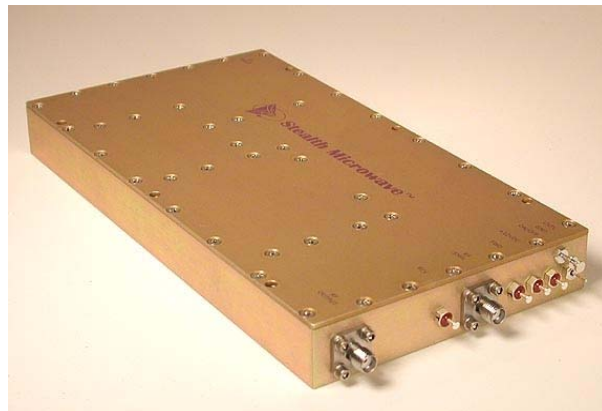
- Integrated Linearizer
- Single Power Supply
- Over Voltage Protection
- Thermal Protection with Auto Reset
- Temperature Compensation

Options

- Forward/Reverse Power Detection
- RF Sampling Port
- Pulse Control with switching speeds up to 100 kHz
- Logic On/Off Control
- Integral Heatsink

Configurations

- Module
- 19" Rack Mount



Parameter	Specification
Frequency Range	3.4 – 3.7 GHz
Pout (P1dB)	+43 dBm
Output Third Order Intercept Point (OIP3)	+54 dBm
Linear Gain	50 dB $\pm$ 1 dB
Gain Flatness (over full band)	$\pm$.5 dB
Gain Change (over temperature)	$\pm$.5 dB
Input/Output Return Loss	-16 dB / -16 dB
DC Input Voltage	+12 Volts
DC Input Current	8.5 Amperes (operational)
Mechanical Dimensions	7.50 x 3.97 x .79 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

