

The **SM2325-50** is a solid state GaAs amplifier designed for the Fixed Wireless / Wireless Local Loop markets. The amplifier operates over a frequency band of 2300 to 2500 MHz and has a P1 dB of +50 dBm. The linear gain is +59 dB, the gain flatness is ± 0.5 dB over the full band, and the OIP3 is +61 dBm typical. Stealth uses the latest FET and surface mount technologies, allowing a compact size to fit into tightly packed transmitters.



Features

- Mis-Match Protected
- Single Power Supply
- Over/Reverse Voltage Protection
- Thermal Protection with Auto Reset

Options

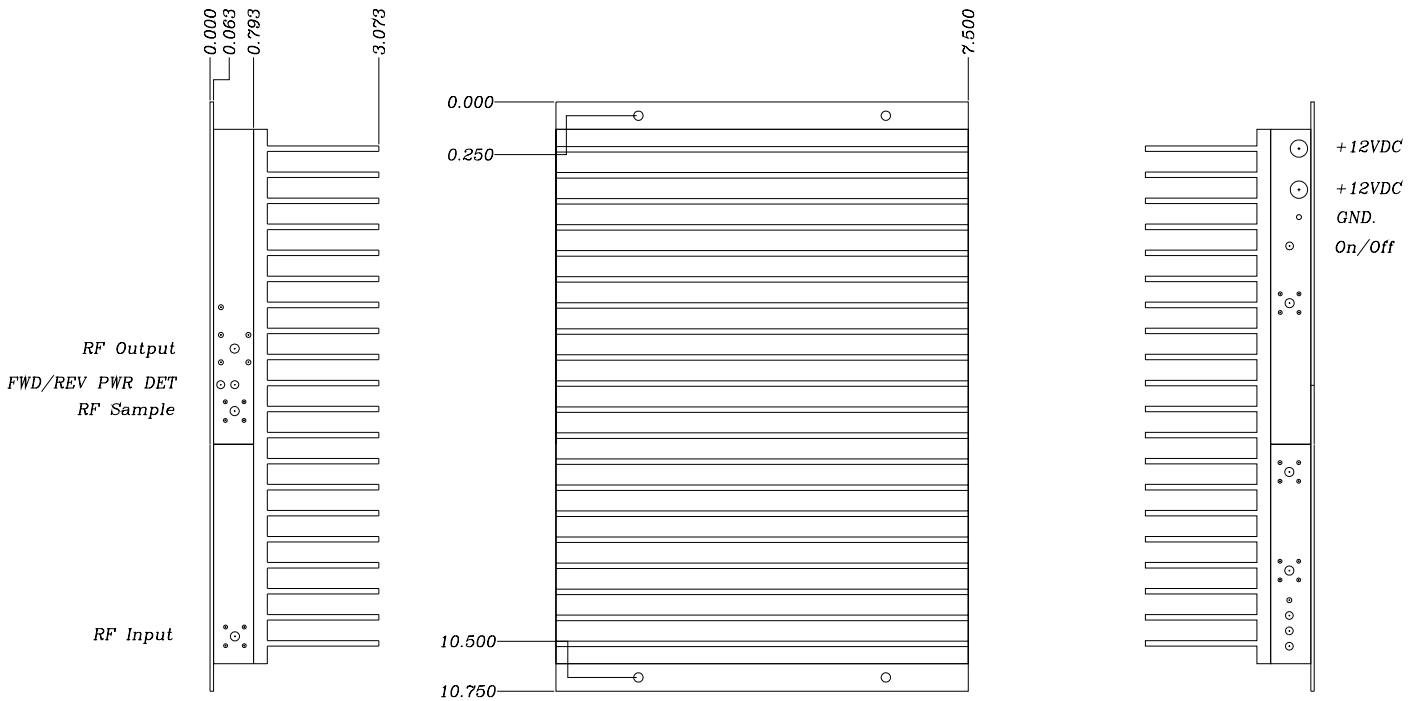
- Forward/Reverse Power Detection
- RF Sampling
- Logic On/Off Control
- Integral Heatsink with two cooling fans

Configurations

- Module

Parameter	Specification
Frequency Range	2.3 - 2.5 GHz
Pout (P1dB) - 0° to 55°C	+50 dBm
Third Order Intercept Point	+61 dBm (typ.)
Gain at Rated Power	59 dB \pm 1 dB
Gain Flatness over Full Band	$\pm .5$ dB
Input/Output Return Loss	-14 dB
DC Input Voltage	+12 Volts
DC Input Current, typ.	31 Amperes
Mechanical Dimensions (Including Heatsink and Fans)	10.75 x 7.5 x 4.7 inches
RF Connectors	Input - SMA Female, Output - N-Type Female
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 Input	Input Connector (Female SMA)	- 9 dBm, typical
RF OUT	Output Connector (N-Type Female)	+ 50 dBm @ P1dB
RF SAMPLE	Sample RF Port (Female SMA)	30 dB
GND	Ground Turret	---
REV	Reverse Power Detector	∞ VSWR @ + 50 dBm \approx + 5.5 Volts
FWD	Forward Power Detector	+ 50 dBm Output Power \approx + 5.5 Volts
+12VDC	DC Input Voltage	+ 12 Volts @ 31 Amperes (typ.)
On/Off	TTL Logic On/Off	0 Volts = Off, +5 Volts = On

Specifications subject to change without notice.