

Stealth Microwave's **SMTR2425-11B40-2** is a solid state amplifier for use in 802.11b, g, 802.16, and similar WLAN systems. This SSPA utilizes state of the art LDMOS transistors which allow for more efficient operation while still meeting EVM limits. Designed primarily for military use, the design can be applied for various ISM band applications as well.



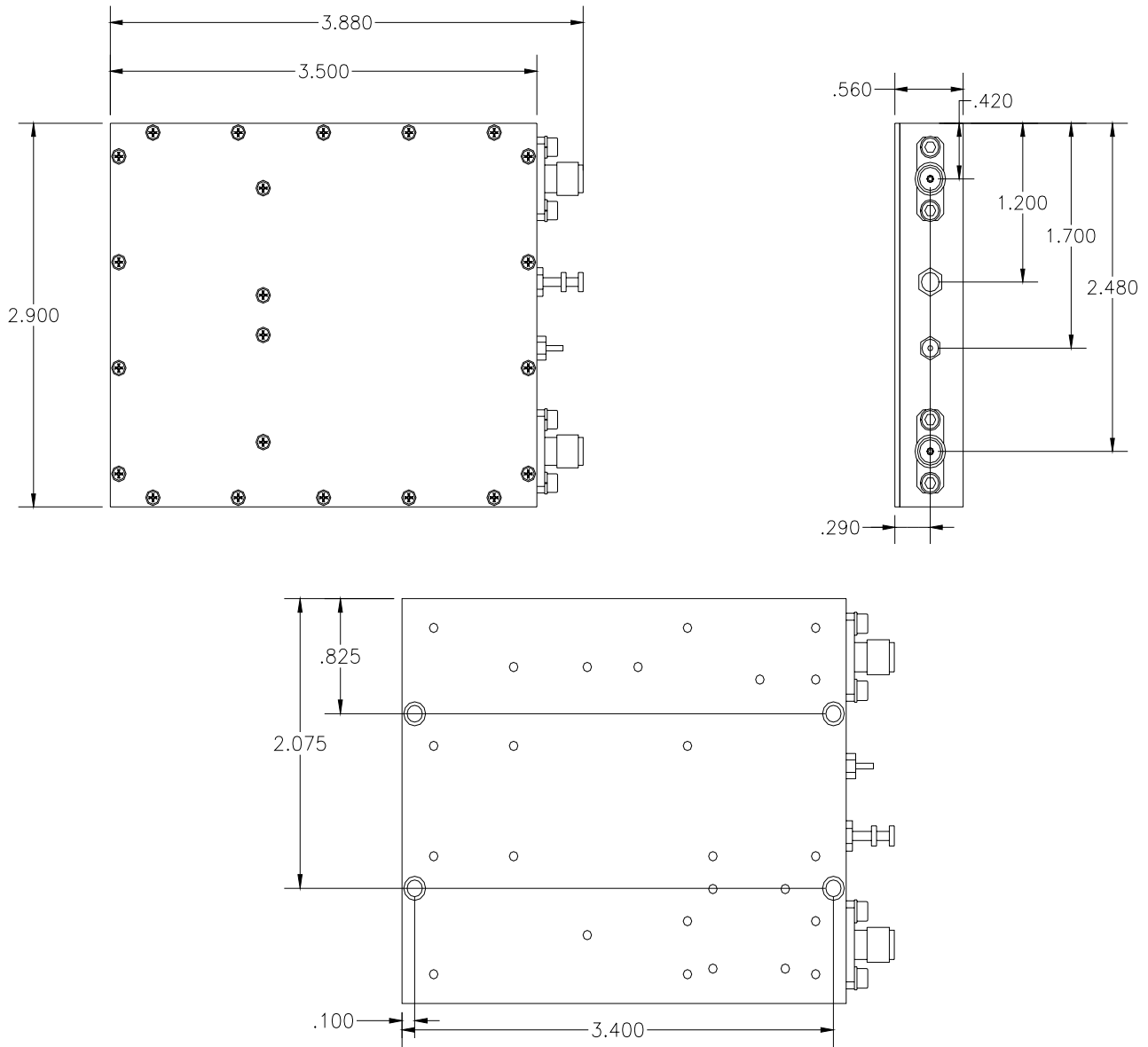
Features

- Auto Transmit / Receive operation (Just plug in radio and apply DC Power)
- Integral receive filter
- Very low Noise Figure

Mechanical Dimensions	3.5 x 2.9 x .56 inches
RF Connectors	SMA Female
Weight	4 oz.
Operating Temperature (Baseplate)	-20°C to +65°C

Transmit Path				
Parameter	Specification			
	Min	Typ	Max	Unit
Frequency Range	2400	-	2500	MHz
802.11g Power Out		33		dBm
802.11b Power Out		40		dBm
EVM at 40dBm (802.11b 11Mbps)		12		%
Gain		25		dB
Gain Flatness		±.5		dB
Input Return Loss		-14		dB
Output Return Loss		-14		dB
DC Input Voltage	27	28	29	V
DC Power - 10W 802.11b		50		W
DC Power - 2.5W 802.11g		22		W
Receive Path				
Gain		16		dB
P1dB	10			dBm
Noise Figure			2.5	dB
Input Return Loss		-14		dB
Current Draw			80	mA

DIMENSIONS IN INCHES
MOUNTING HOLES: 4-40 THREADED, .250" DEPTH



Pin	Description	Values
RADIO	Input Connector (N Female)	+ 15 dBm (typ.)
ANT	Antenna Connector (N Female)	+40 dBm burst power (802.11b 11Mbps) +33 dBm burst power (802.11g 54Mbps)
VDC	DC Connector (Filter Feedthru)	+28VDC
GND	Ground Lug	---

Rx FILTER RESPONSE

