

Stealth Microwave's **SMTR2324-11G38** is a solid state amplifier for use in 802.11g WLAN systems. This SSPA utilizes state of the art LDMOS FET transistors which allow for more efficient operation while still meeting EVM and spectral mask requirements. Designed primarily for military use, the design can be applied for various ISM band applications as well.

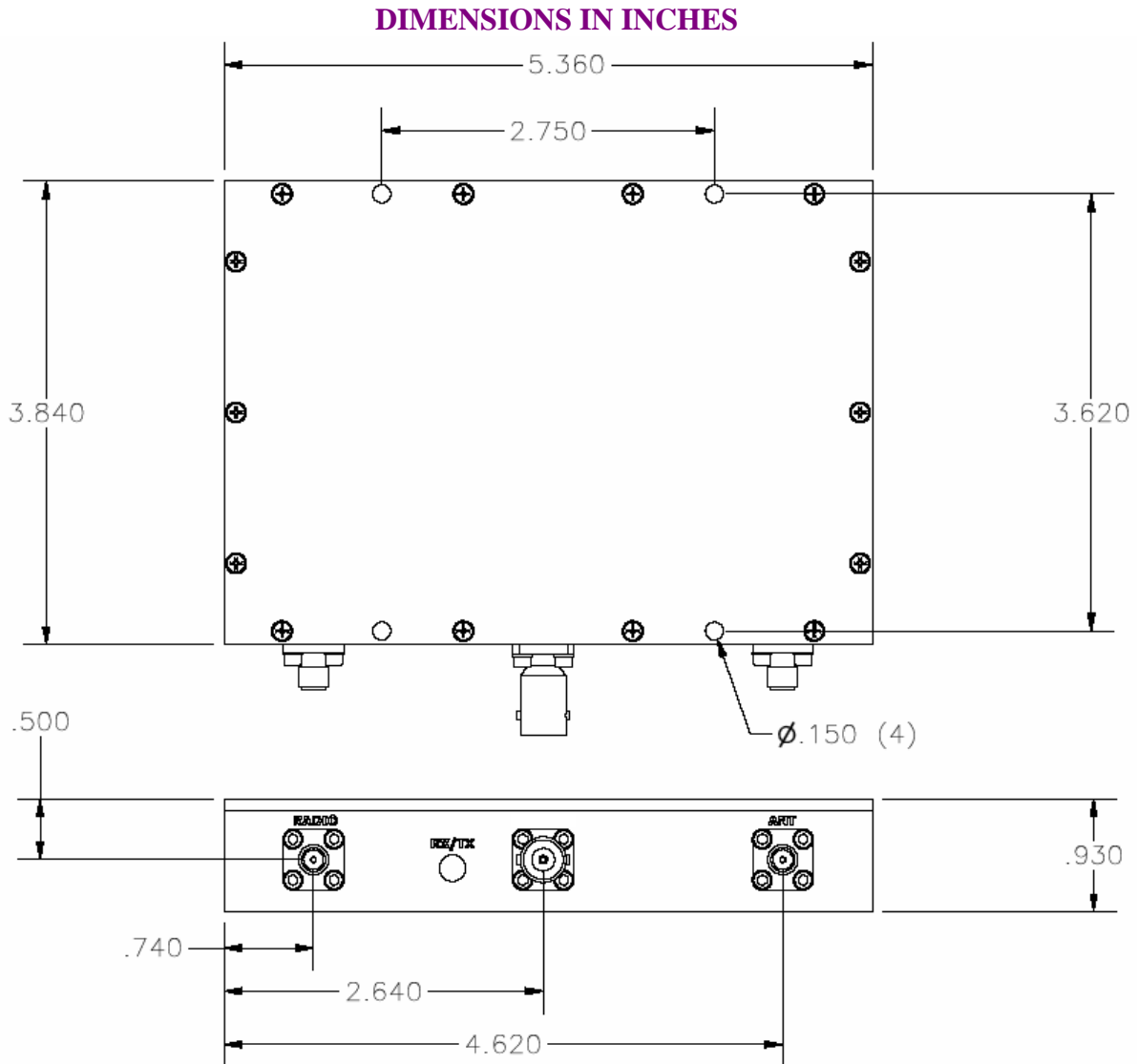


Features

- LED Tx/Rx mode status indicator
- +28V Power Supply
- Rugged Weatherproof Housing
- Various DC/RF connector options available

| Transmit Path | |
|--------------------------------|---|
| Parameter | Specification |
| Frequency Range | 2300-2400 MHz |
| 802.11g Compliant Power Out | + 38 dBm / 6W (min) |
| Gain | 26 dB |
| DC Input Voltage | + 28 Volts |
| DC Input Current (On Transmit) | 2.1 A (6W output) |
| Receive Path | |
| Receive Gain | 23 dB (can be adjusted based on requirements) |
| DC Input Current (On Recieve) | Approx 150 mA |

| | |
|-----------------------------------|---|
| Mechanical Dimensions | 3.84 x 5.36 x .93 inches |
| RF Connectors | SMA Female |
| Weight | 18 oz. |
| Operating Temperature (Baseplate) | 0°C to +65°C (<i>Extended range available</i>) |



| Pin | Description | Values |
|-----------|-------------------------------|--|
| RF INPUT | Input Connector (SMA Female) | Input power fixed per customer requirements – Typically +5 to +20dBm input |
| RF OUTPUT | Output Connector (SMA Female) | +38dBm max 802.11g output |
| GND | Ground Turret | --- |
| +28VDC | DC Input Voltage | + 28 Volts @ 2.1 Amperes (typ.) |

Specifications subject to change without notice.