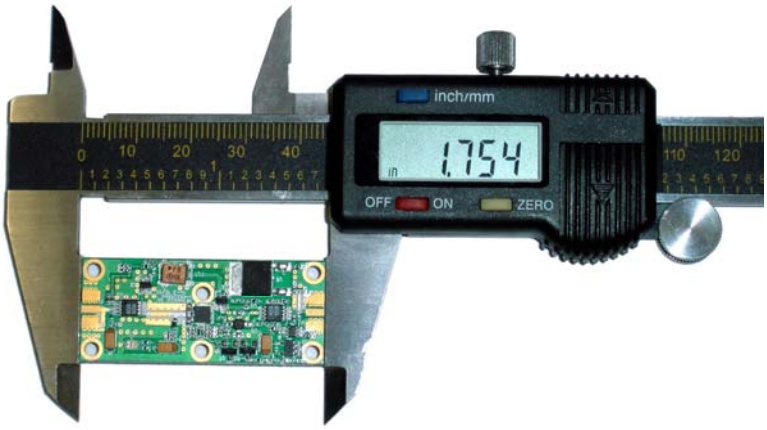
# 5.8 GHz, 802.11a Amplifier
## OEM Version-Rev B
**Item # 58103**

The latest version of 5.8GHz OEM amplifier module gives peak power of 2watt with 24dB of Tx gain. This Low cost high performance 5.8 GHz amplifiers is ideal for integrating with any 5Ghz radio device..

Also available in 5.2~5.3Ghz and 4.9~6Ghz versions.

**Salient features include:**

- 2Watt peak output power
- 24dB Tx gain
- 0.75" x 1.75" PCB that is only 0.15" high
- Status LED for Tx, Rx and high speed switching
- Made in USA




## Specifications

| **Electrical:** | |
|---|---|
| Operating Range | 5725 - 5875 MHz (5.15~5.25 GHz version available upon request) |
| Operating Mode | TDD, Time Division duplex, |
| Transmit Power | 2W (33dBm) peak |
| Transmit Gain | 24 dB |
| Transmit input Power | -3dB min<br>15 dB max |
| Receive Gain | 22 dB |
| Noise Figure | 3.5 dB |
| LED indicators | Red for Receive Green for Transmit |
| Power Consumption | Rx: 45mA<br>Tx: 1.4A @ 6V DC |
| Operating Temp | -40 °C to + 70 °C |

| **Mechanical:** | |
|---|---|
| Dimensions | 0.75" x 1.75" x 0.15 (H) |
| RF connectors | Options of End launch SMA, MCX or coax cable with any RF connector |
| DC input | Via coax cable with signal or DC cable |
| Weight | 1.2 Oz |

*12910 Cloverleaf Center Drive, Ste 110, Germantown MD. 20874.Tel: 301-838-4380 www.shireeninc.com*