

DATA SHEET

Description



The 2.4 GHz WLAN signal booster is designed for IEEE 802.11b/g/n Wireless LAN applications. It adopts the direct sequence spread spectrum(DSSS) and orthogonal frequency division multiplexing (OFDM) technology of WLAN communication. The product is compatible with time division duplexing (TDD) method of WLAN and using rapid microwave detection technology to provide high linearity amplification. The signal booster can work with most WLAN/Wi-Fi devices and increase the WLAN signal strength, therefore a larger WLAN coverage and more stable transmission rate.

Specification

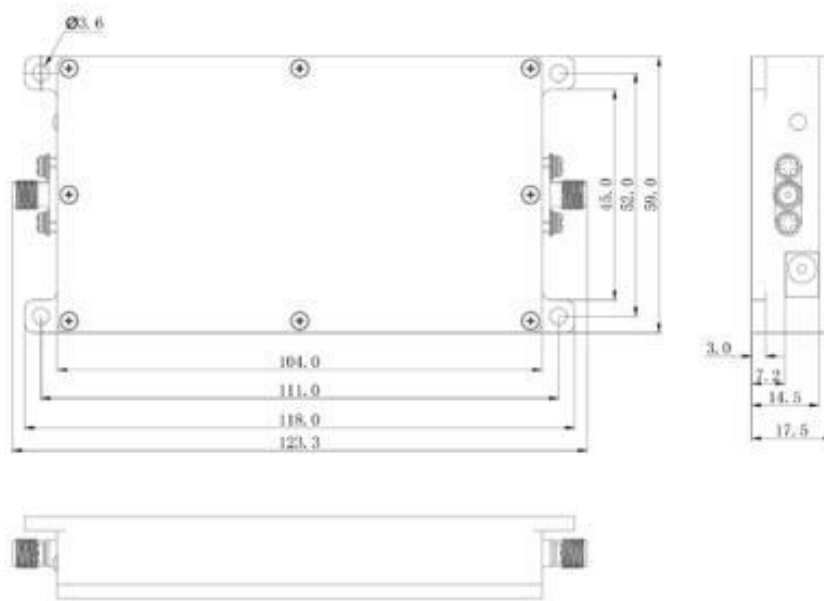
- Frequency Range: 2.4~2.4835GHz
- Operating Voltage: 12~24V
- Receiving Gain: 20 dB
- Transmission Gain: 16 dB
- Input Trigger Power: 5~27dBm
- Maximum Output Power (P1dB) : 43dBm (20W)
- EVM: 5%@37dBm 802.11g 54Mbps OFDM 64QAM BW 20MHz
- Operating Current: 3000mA@Pout 37dBm 12V
- Noise Figure: ≤3.0dB
- TX/RX Switch Time Delay: ≤1μs
- Operating Ambient Temperature: -20℃~60℃

Applications

- Wireless LAN 802.11 b/g /n Access, Clinet
- 2.4GHz WLAN base station
- 2.4GHz WLAN bridge
- Drone, Aeromodelling, etc.

Physical Specifications

- Size: 118*59*17.5mm
- RF interface: SMA external thread internal hole
- Power Supply port: 6.0*2.0mm DC
- Material: Aluminum
- Net Weight: 0.190Kg



Attentions

- Power supply capacity above 12V/5A, or 60W required
- Recommend to enhance the heat dissipation treatment, such as adding heat sink or fan, when the output power is greater than 5W
- First screw on the antenna, then connect the source equipment, and supply power.