RF Bidirectional Amplifier

CE-YNX-SX-57592SC

5.8GHz 20W Signal Booster

DATA SHEET

Description

The 5.8 GHz WLAN signal booster is designed for IEEE 802.11 n/ac 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：5725~5850MHz
- Operating Voltage：28V
- Receiving Gain：20dB
- Transmission Gain：16dB
- Input Trigger Power：5~23dBm
- Maximum Output Power（P1dB）：43dBm (20W)
- EVM：5%@36dBm 802.11n OFDM 64QAM BW 20MHz
- Operating Current：900mA@Pout 36dBm 28V
- Noise Figure：≤3.8dB
- TX/RX Switch Time Delay：≤1μs
- Operating Ambient Temperature：-20℃~60℃

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Applications

- Wireless LAN 802.11 n/ac Access, Clinet
- 5.8GHz WLAN base station
- 5.8GHz 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：217.5g