

## 2.4GHz 20W Signal Booster AB009S

### Applications

Smart Home Systems Signal Extender

Wireless Cameras Signal Extender

Drone Signal Extender

### Features

60X the power, improving the link quality and coverage of certified devices

2.5dB ultra-low noise

Wide 12V to 18V operating input range

Simply plug and play, no software is required

### Parameters

| Number | Items                   | Specifications                              |
|--------|-------------------------|---------------------------------------------|
| 1      | Frequency Range         | 2400-2500MHz                                |
| 2      | Operating Voltage       | 12-18V                                      |
| 3      | Receiving Gain          | 18dB $\pm$ 1                                |
| 4      | Transmission Gain:      | 20dB $\pm$ 1                                |
| 5      | Max Output Power(P1dB)  | 43dBm(20W)                                  |
| 6      | Input Trigger Power     | Min:3dBm Max:23dBm                          |
| 7      | EVM                     | 3%@34dBm 802.11g 54Mbps OFDM 64QAM BW 20MHz |
| 8      | Noise Figure            | <2.5dB                                      |
| 9      | Current Supply          | 3.5A@Pout 43dBm 12V                         |
| 10     | TX/RX Switch Time Delay | <1 us                                       |
| 11     | LED Indicator           | Transmitter: red; Receiver: Green           |
| 12     | Operating Temperature   | -30℃ $\sim$ +70℃                            |
| 13     | Storage Temperature     | -40℃ $\sim$ +150℃                           |
| 14     | Operating Humidity      | Up to 95% rel. humidity                     |
| 15     | RF Connector            | Input: SMA-K; Output: SMA-K                 |
| 16     | Power Socket            | 5.5*2.1mm                                   |
| 17     | Shell Size              | 104*60*17(mm)                               |
| 18     | Shell Material          | Aluminum                                    |
| 19     | Net Weight              | 0.27Kg                                      |