

Compact Perfection.

M58 Amplifier 500mW: Item#12-510 M58 Amplifier 250mW: Item#12-511

With its sleek design and just 4.3 inches in length, this Mini-Amp provides everything needed to extend the signal range of 5.8GHz wireless radio devices.

Reliable and Flexible.

This 802.11a 500mW M58 amplifier is Teletronics' latest development under the Bi-Directional RF Amplifier product line. These amplifiers are especially designed for excellent signal linearity with a low noise figure to achieve the maximum throughput allowed in the OFDM spectrum. Reliable and flexible, this achievement would allow you to increase the range of your wireless link and with only 10dBm input power, you can achieve 27dBm (500mW) OFDM output power.

Compatibility.

Typical radio devices can be Teletronics' TT5800, Proxim 5054 (MP.11a), and any other 802.11a radios. OFDM modulation can be achieved at 54 Mbps. The line of sight range is from 5 to 32 miles (depending on the antenna usage.)

Features

- 802.11a (OFDM) compatible
- Bi-directional
- Low noise figure

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- Wide range of operating temperature
- Easy installation & Maximum flexibility
- N-type, Male/Female connectors
- Indoor and Outdoor use
- No mounting needed

M58 Amplifier 250mW: #Item12-511

Specifications

Frequency Range: 5725-5875 MHz Operating Mode: Bi-directional, TDD Transmit Gain: 13 dB

Receive Gain: 13 dB Receive Gain: 12 dB typical Noise Figure: 3.5 dB typical Frequency Response Stability: ± 1 dB

Input Power: 1mW (0dBm) min 25mW (14dBm) max

Output Power: 500mW (0.5W)

Connectors: N-type, Male/Female, 50 Ohm

Power Consumption: Tx: 0.8A @ 7.5VDC

Rx: 0.2A @ 7.5VDC

Size: Length: 4.3" Diameter: 1.2" Weight: 0.7 lbs

Operating Temperature: -30 °C to + 70 °C

Specifications

Frequency Range: 5725-5875 MHz Operating Mode: Bi-directional, TDD

Transmit Gain: 13 dB Receive Gain: 12 dB typical Noise Figure: 3.5 dB typical

Frequency Response Stability: ± 1 dB Input Power: 1mW (0dBm) min

16mW (12dBm) max

se Stability: ± 1 dB Size: Length: 4.3" (OdBm) min Diameter: 1.2"

Diameter: 1.2" Weight: 0.7 lbs

Power Consumption:

Operating Temperature: -30 °C to + 70 °C

Connectors: N-type, Male/Female, 50 Ohm

DC Surge: 600Watts TVS @ 7.5VDC

Output Power: 250mW (0.25W)

Tx: 0.8A @ 7.5VDC



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