



TELETRONICS INTERNATIONAL

Feature

Designed for extending the range of 2.4 GHz wireless radio devices, the Smart-Amp is particularly effective when used with frequency Hopping Spread Spectrum radio modems. The unit provides transmit power amplification and receives signal gain.

Full output power of 8W is achieved with only 4mW input to the amplifier.

Substantial discounts available for OEMs and large volume purchases.

Contact sales office for details.

SmartAmp 2.4 GHz Series 8W version (for FHSS)



Specifications

Operating Range: 2400-2500 MHz
Operating Mode: TDD
Lightning Protection: Direct DC ground at antenna
DC Surge Protection: 600 Watts TVS @ 12 VDC

Mechanical & Environmental

Operating Temperature: -40 to +60 degree C
Power: 3.3 A @ 12VDC
Dimensions
Amplifier: 7.5" L X 6" W X 3"H
DC Injector: 3.5" L X 3" W X 1.18" H
Weight
Amplifier: 2.8 lb
DC injector: 0.4 lb
RF Connector: N, Female
Smart Function: No

Transmitter Amplifier

Transmit Gain: up to 33 dB
Transmit input power: 2 mW min
200 mW max
Transmit output power: max of 8W

Receiver Amplifier

Receive Gain: 10 dB typical
Frequency Response: +/- 1 dB
Noise Figure: 3.5 dB

Patents Pending

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