

TELETRONICS INTERNATIONAL

Feature

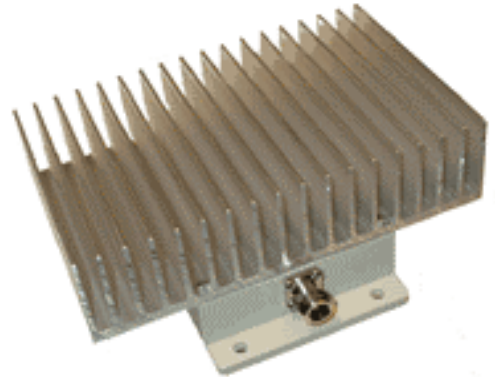
Designed for extending the range of 2.4 GHz wireless radio devices, the Smart-Amp is particularly effective when used with Direct Sequence or Frequency Hopping Spread Spectrum radio modems. The unit provides transmit power amplification and receives signal gain.

Full output power of 10W is achieved with only 2.5mW input to the amplifier. Above 2.5 mW input, the smartamp attenuates the input signal power and maintains the output power typically at 10W.

Substantial discounts available for OEMs and large volume purchases.

Contact sales office for details.

SmartAmp 2.4 GHz Series 10W Version



Specifications

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

Mechanical & Environmental

Operating Temperature: -40 to + 60 degree C
Power: 4.3 A @ 12VDC
Dimensions:
Amplifier 7.5" L X 6.0" W X 3.0"H
DC Injector 3.5" L X 3.0" W X 1.2"H
Weight:
Amplifier 2.8 lb
DC injector: 0.4 lb
RF Connector: N, Female

Transmitter Amplifier

Transmit Gain: up to 36 dB
Transmit input power: 3 dBm (2 mW) min
23 dBm (200 mW) max
Transmit output power: max of 40dB (10 Watt)

Receiver Amplifier

Receive Gain: 15 dB typical
Frequency Response: +/- 1
Noise Figure: 3.5 dB typical

Patents Pending

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