



## Specifications

Frequency Coverage 2.442 GHz +/-50 MHz

Supply Voltage +12 to 15 VDC

### Receive

Gain 20 dB +/- 2dB

'g' Modulation Data Rate 54Mbps

Noise Figure 2.5 dB

Linear Operation Pin < -9dBm

Supply Current <150mA

Tx to Rx Switching 2 µSec Typ.

### Transmit:

AGC Gain Automatically adjusts to specified Power Output

Max Rated Power Output 1W (+30) dBm

'g' Modulation Data Rates 1W yields 36 to 48Mbps  
0.5W yields 54Mbps

P1dBm +32.5dBm

RF Input Power for Turn-On >1 dBm

Harmonic Rejection >75dBc @ 2fo  
>56dBc @ 3fo 1W Power Output

Supply Current <800 mA Max @ 1W Power Output

Rx to Tx Switching 2 µSec Typ.

Maximum Ratings Pin (Radio port) + 30 dBm  
Pin (Antenna port) + 27 dBm

System Filtering An internal 3-pole filter in both Rx and Tx paths provides superior cosite performance achieving maximum dynamic range and low harmonic distortion

Operating Temperature Range -40°F to +158°F  
-40°C to +70°C

RF Connector Size 2.88 in. x 3.00 in. x1.01 in. (Not including N type female connectors)

Weight < 11 oz.

Chassis Machined aluminum with chemical film per MIL C5541 Class 1A

Indicator LED Green LED - Rx mode, Red LED - Tx mode.

Lightning Suppression ¼ wavelength short

## Additional Products

ProSoft Technology® offers a full complement of hardware and software solutions for a wide variety of industrial communication platforms.

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## Ordering Information

**To order this product, please use the following:**

AMP24-500 AMP24-500 Amplifier

To place an order, please contact your local ProSoft Technology distributor. For a list of ProSoft distributors near you, go to <http://www.prosoft-technology.com>

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