



2.4 GHz Bi Directional RF Amplifier 500 mW

Model # HD18026-.5



Designed for extending the range of 2.4 GHz wireless radio devices, Our Bi-Directional amplifier is particularly effective when used with Direct Sequence or Frequency Hopping Spread Spectrum radio modems. The unit provides the transmit power application as well as receive signal gain. Full output power of 500 mW is achieved with only 2.5 mW input, the amplifier attenuates the input signal power and maintains the output power typically at 500 mW. Also available in 900 MHz and 5.8 GHz versions and different output power levels

Operating Frequency Range: 2400 - 2500 MHz
Operating Mode: Bi-Directional
Lightening Protection: Direct DC ground at antenna

DC Surge Protection: 600 W TVS
@ 12 VDC

Transmitter Amplifier

Transmit Gain: up to 24 dB for a max
or 500 mW output
Transmit Input Power: 1 mW min.
200 mW max.

Receiver Amplifier

Receive Gain: 14 dB typ.
Frequency Response: ± 1 dB over operating range
Noise Figure: 3.5 dB approx.

Mechanical and Environmental

Operating Temp: -40 to +70°C
Power: 7.5 VDC @ 650 mA or
105-240 VAC for power supply (kit provided)

Dimensions

Amplifier: 4.5" L x 3" W x 1" H
DC Injector: 3.5" L x 3" W x 1.18" H
Connectors: N F

Weight

Amplifier: 0.5 lbs
DC Injector: 0.4 lbs

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