



3.4~6.0 GHz Bi-directional Amplifier

Item # 58403
3 Watt version

This wide band bidirectional amplifier offers high speed switch circuit to allow working with high speed data radios.. The frequency range of 3.4GHz thru 6GHz covers military, public safety and UNII bands.

Since the 16 QAM modulation requires highly linear mode of operation, this amplifier can be used in 1~2 watts range for high linearity.

Also offered in PCB form to OEM customers for use with their radio equipment.



Specifications

Electrical:

Operating Range	3400 - 6000 MHz
Operating Mode	TDD, Time Division duplex,
Transmit Peak Power	35dBm +/-1
Transmit Gain	16 dB +/-2
Transmit input Power	5dBm min 17 dBm max
Receive Gain	22 dB
Noise Figure	3.5 dB
LED indicators	Red for Receive (Default mode) Green for Transmit
Power Consumption	80 mA Rx, 3000 mA Tx @ 12 VDC
Operating Temp	-40 °C to + 70 °C

Mechanical:

Outdoor CNC machined Al enclosure:	4.5 x3.5 inch, 1.1" high
Weight	14 Oz

