

BiAMP-425A



Bi - Directional RF Amplifier

The BiAMP-425A is a 400 MHz to 450 MHz bi-directional RF amplifier. The BiAMP-425A offers high speed switching between transmit and receive with excellent noise figure, automatic gain control and automatic transmit gain control.

Features

- 10 - 12 dB receive gain
- Automatic Tx gain control
- Instantaneous automatic Rx/Tx switching
- Extremely low noise figure
- Cast aluminum construction
- Receive band pass filter
- Tx/Rx LEDs
- Industrial temperature specification
- Light weight
- Low profile design



Applications

- Increase the range of Nano/MHX/Spectra/IP42X transceivers

Restricted Sale to Military, Government and Export to Qualifying Customers Outside Canada and USA.

Specifications

Frequency Band	400 - 450 MHz	Supply Voltage	12 VDC to 13.5VDC @ 2.5 Amps
Receive Gain	11 dB \pm 1 dB	Connectors	Female SMA (RF in, RF out, DC Power)
Tx Input Level	15 dBm to 30 dBm	Weight	Approx. 275g
Tx Output Power	Up To 10W (Dependant on Input Drive)	Dimensions	Approx. 4.5" x 2.5" x 0.625" (114mm x 63.5mm x 16mm) Approx. 5.15" x 2.0" x 0.625" (inc. Connectors)
Noise Figure	2.0 dB \pm 0.5 dB		
Rx/Tx Switching	200 μ s		
Impedance	50 Ω		

Contact Information

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Microhard Systems Inc.
150 Country Hills Landing N.W.
Calgary, AB, Canada T3K 5P3

Email: info@microhardcorp.com
Tel: (403) 248-0028
Fax: (403) 248-2762



www.microhardcorp.com