ZBDA-Series

Dual band bi-directional signal booster

915 MHz, 2.4 GHz and 5.8 GHz

Build To Order

The ZBDA series is a range of compact bi-directional RF amplifiers designed to improve transmit and receive performance across 915 MHz, 2.4 GHz and 5.8 GHz wireless communication systems.

- Compact design
- Bi-directional transmit and receive amplification
- Available in 915 MHz, 2.4 GHz and 5.8 GHz versions
- Suitable for wireless data, telemetry, UAV/drone, industrial IoT and remote monitoring applications

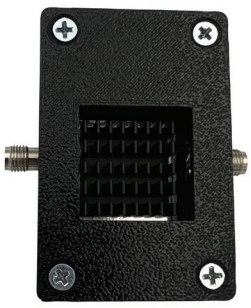
Designed to improve RF signal strength and communication range.

ZBDA-915

ZBDA-24

ZBDA-58

	ZBDA-915	ZBDA-24	ZBDA-58
Construction	BDA PCB board, SMA female terminations and PLA enclosure box - Enclosure can be modified to mount into specific locations		
Cooling Mode	Passive cooling via integrated heatsink – ensure adequate airflow		
Compatible frequencies	820-1000 MHz	2400-2500 MHz	5100-5900 MHz
Max. RF Output power	2.2W (Watts) 33.5 dBm	2W (Watts) 33 dBm	
Max. RF Input power	+20 dBm		+15 dBm
Switching Speed	≤100ns @ 0dBm threshold		
Power supply voltage	5 V (volts) - USB-C Power Input (1.0 USB-A to USB-C cable supplied)		
Gain - Typical	Tx: 15 dB Rx: 15 dB	Tx: 19.5 dB Rx: 14.5 dB	Tx: 24 dB Rx: 16.5 dB
PCB Terminations	Input / Output: SMA Female		
Weight	<10 grams		
Dimensions	60mm x 55mm x 25mm		


Passive cooling via integrated heatsink

USB-C Power-Input (cable provided)

1 Year Manufacturers Warranty
Terms & Conditions apply.