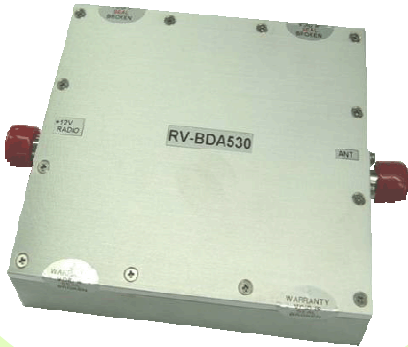




WLAN-BDA530



■ Features

- ▶ 10dB cable loss compensation
- ▶ TDD bidirectional amplifier
- ▶ Down link signal triggered TDD switching
- ▶ 1uS rising/falling time
- ▶ Low receive noise figure
- ▶ Output mismatch protection Isolator
- ▶ GaAsFET design

■ Applications

- ▶ TDD wireless radio
- ▶ WLAN range extender

Specifications.

Specification		WLAN_BDA530
Frequency Range		5,725~5,875 MHz
TDD Switching Time		1us
Cable loss compensation AGC		0~10 dB
UP Link	N/F	4.5 dB
	Gain @ 0dB AGC	22 ± 1 dB
	Gain @ 10dB AGC	12 ± 1 dB
	Gain flatness	±1.5 dB
DOWN Link	Pout (peak power)	30 dBm
	Gain @ 0dB AGC	20 ± 1 dB
	Gain @ 10dB AGC	10 ± 1 dB
	Gain flatness	±1.5 dB
	input power (AGC)range	+10 ~ +20 dBm
	Sync level	0 dBm <min>
Connector		N-female (water proof)
Case		weatherproof
Lighting protection		Direct DC ground at Antenna port
Operating temperature		-20 ~ +60 deg C
DC	voltage	+12 V
	surge protection	600W TVS @+15 V
	Current	2A (TDD ON)
LED	Red	DOWN Link ON