

Cellular Signal Booster

Full Duplex Amplification

Overview & Applications

The **CB Series Signal Booster** from JDTECK is a high-powered full duplex signal amplifier that is perfect for boosting the signal strength of any device operating on the cellular network. Mate this unit to Mobile Phones, PDA's, Wireless PC Cards, CDPD Modems, Alarm Monitoring Systems, GPS Tracking Equipment and a range of other interactive consoles that have wireless internal modems to communicate with the cellular network. It will ensure you always have a solid connection.



Main Features

- 25dB DL Gain / 18dB UL Gain
- FCC Approved. ID: SQXCB-819-1
- Industry Canada Approved: ID: 5607A-CB819
- 18 Months Warranty
- 30 Day Money Back Satisfaction Guarantee
- Small size, light-weight (Industry's Smallest)
- Extend Network Range
- SMA Female Connectors
- Supports Any Voice, Fax or Data Device

Part #: (A) **CB-819**

Part #: (B) **CB-918**

Part #: (C) **CB-AWS**

Mechanical

I/O Port	SMA Female
Impedance	50 ohm
Operating Temperature	-25 °C ~ +55 °C
Environment Conditions	IP40
Dimensions	3.9" x 2.95" x 1" (100mm x 75mm x 25mm)
Weight	0.55Lbs (250 g)
Power	Input DC12V / 2A
Power	Power LED Indicator

Specifications:

Frequency & Operating

Model	Uplink	Downlink
CB-819	CDMA / GSM 800	824~849 MHz
	PCS	890~915 MHz
CB-918	GSM900	1710~1785 MHz
	DCS	1850~1910 MHz
CB-AWS	AWS	1710~1755MHz
	Max.Gain	≥18dB
Output Power	Typ.	≥ 33dBm
	Min.	≥27dBm
Intermodulation Products	9KHz~1GHz	≤ -36dBm @ 3KHz
	1GHz~12.75GHz	≤ -30dBm @ 3KHz
Spurious Emission	9KHz~1GHz	≤ -36dBm @ 3KHz
	1GHz~12.75GHz	≤ -30dBm @ 3KHz
Current Draw	Standby	250 mA
	Under Load	600 mA
Noise Figure		≤ 6dB
Group Delay		≤0.5μs
VSWR		≤3
Frequency Stability		≤ 0.01ppm



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