

# 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	869~894 MHz
	PCS	890~915 MHz	935~960 MHz
CB-918	GSM900	1710~1785 MHz	1805~1880 MHz
CB-AWS	DCS	1850~1910 MHz	1930~1990 MHz
	AWS	1710~1755MHz	2110~2155MHz
Max.Gain		≥ 18dB	≥ 25dB
Output Power	Typ.	≥ 33dBm	≥ 0dBm
	Min.	≥ 27dBm	≥ 0dBm
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	0.8W
	Under Load	600 mA	4W
Noise Figure		≤ 6dB	
Group Delay		≤ 0.5μs	
VSWR		≤ 3	
Frequency Stability		≤ 0.01ppm	



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