



## >> IN-BUILDING AMPLIFIER

### Extends Coverage

The Model 51062, 51075 and 61080 in-building amplifier provides amplification of both uplink and downlink wireless signals in facilities located within reasonable proximity of cell sites and where wireless coverage is otherwise non-existent.

### Typical Applications

Among facilities that can benefit from an in-building amplifier installation are parking garages, warehouses, basements, shielded structures, metal buildings, office complexes, campus environments, hospitals, and convention centers.

### Specifications

	51062 and 51075	61080
Linear Output Power (dual/single typical)		
Cellular	25/27 dBm	28/30 dBm
SMR	25/27 dBm	28/29 dBm
PCS	21/22 dBm	25/26 dBm
Power Requirements		
Single/Full Band	120 Vac @ 500 mA	120 Vac @ 1.3 A
Dual Passband/Dual Band	120 Vac @ 1.3 A	120 Vac @ 2.0 A
Noise Figure (typical)	5.5 - 8.5 dB	5.5 - 8.5 dB
AGC Dynamic Range	25 dBm	25 dBm
Propagation Delay	<250 nsec	<250 nsec
Gain Adjustment Range	0-30 dB, 1 dB Steps	0-30 dB, 1 dB Steps
Connectors	N-Female	N-Female
Dimensions / Weight	<b>51062, 51075, and 61080</b>	
Single Band	12.38" x 12.6" x 6.21" / 18 lbs (314.4 x 320.0 x 157.7 mm / 8.16 kg)	
Dual Passband/Dual Band	16.6" x 17.88" x 7.68" / 19.8 lbs (421.6 x 454.1 x 195.0 mm / 8.98 kg)	
Dual Passband Notch*	Special Configuration	

\*Separate mounting for notch filters required. Contact CSI for configuration information

### MODEL NUMBER & BAND

>> Please see reverse side

### GAIN

>> Model 51062: 62 dB of Gain

>> Model 51075: 75 dB of Gain

>> Model 61080: 80 dB of Gain

### PRODUCT FEATURES

#### >> Alphanumeric user interface

- >> Integrated digital power/AGC meter allows for precise set up without test equipment
- >> User friendly technical language interface

#### >> Oscillation detection and suppression control feature to prevent network interference

#### >> Dual Band BDAs include two controllers which allow users to operate all functional capabilities independently

#### >> Remote access of BDA via wireless or wireline modem (optional)

- >> Web browser interface
- >> Remote query of output, AGC status, gain control, and amplifier shutdown/restart

#### >> Local alarm contact closure points and interface for remote shutdown



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## Model Numbers / Frequency Ranges

	LINEAR GAIN LINEAR OUTPUT POWER	62 dB 0.5 Watt	75 dB 0.5 Watt	80dB 1 Watt
<b>SINGLE BAND CONTIGUOUS</b>				
	<b>800 or 900 MHz</b>			
Cellular A Band	824-835 & 869-880	CSI-BDA51062-CA	CSI-BDA51075-CA	CSI-BDA61080-CA
Cellular B Band	835-849 & 880-894	CSI-BDA51062-CB	CSI-BDA51075-CB	CSI-BDA61080-CB
Cellular Full Band*	824-849 & 869-894	CSI-BDA51062-C	CSI-BDA51075-C	CSI-BDA61080-C
SMR 800 IDEN	806-821 & 851-866	CSI-BDA51062-S8i	CSI-BDA51075-S8i	CSI-BDA61080-S8i
SMR 800 Full Band	806-824 & 851-869	CSI-BDA51062-S8	CSI-BDA51075-S8	CSI-BDA61080-S8
SMR 900 Band	896-901 & 935-940	CSI-BDA51062-S9	CSI-BDA51075-S9	CSI-BDA61080-S9
<b>SINGLE BAND CONTIGUOUS</b>				
	<b>PCS 1900 or DCS 1800</b>			
PCS A Block	1850-1865 & 1930-1945	CSI-BDA51062-PA	CSI-BDA51075-PA	CSI-BDA61080-PA
PCS B Block	1870-1885 & 1950-1965	CSI-BDA51062-PB	CSI-BDA51075-PB	CSI-BDA61080-PB
PCS C Block	1895-1910 & 1975-1990	CSI-BDA51062-PC	CSI-BDA51075-PC	CSI-BDA61080-PC
PCS D Block	1865-1870 & 1945-1950	CSI-BDA51062-PD	CSI-BDA51075-PD	CSI-BDA61080-PD
PCS E Block	1885-1890 & 1965-1970	CSI-BDA51062-PE	CSI-BDA51075-PE	CSI-BDA61080-PE
PCS F Block	1890-1895 & 1970-1975	CSI-BDA51062-PF	CSI-BDA51075-PF	CSI-BDA61080-PF
PCS A & D Block	1850-1870 & 1930-1950	CSI-BDA51062-PAD	CSI-BDA51075-PAD	CSI-BDA61080-PAD
PCS B & E Block	1870-1890 & 1950-1970	CSI-BDA51062-PBE	CSI-BDA51075-PBE	CSI-BDA61080-PBE
PCS F & C Block	1890-1910 & 1970-1990	CSI-BDA51062-PFC	CSI-BDA51075-PFC	CSI-BDA61080-PFC
PCS E & F Block	1885-1895 & 1965-1975	CSI-BDA51062-PEF	CSI-BDA51075-PEF	CSI-BDA61080-PEF
PCS B, E, & F Block	1870-1895 & 1950-1975	CSI-BDA51062-PBEF	CSI-BDA51075-PBEF	CSI-BDA61080-PBEF
PCS D, B, & E Block	1865-1890 & 1945-1970	CSI-BDA51062-PDBE	CSI-BDA51075-PDBE	CSI-BDA61080-PDBE
PCS E, F, & C Block	1885-1910 & 1965-1990	CSI-BDA51062-PEFC	CSI-BDA51075-PEFC	CSI-BDA61080-PEFC
PCS D, B, E, & F Block	1865-1895 & 1945-1975	CSI-BDA51062-PDBEF	CSI-BDA51075-PDBEF	CSI-BDA61080-PDBEF
PCS Full Band*	1850-1910 & 1930-1990	CSI-BDA51062-P	CSI-BDA51075-P	CSI-BDA61080-P
<b>DUAL PASSBAND NON-CONTIGUOUS</b>				
	<b>800 or 900 MHz</b>			
Cellular A Notched	824-835/845-846.5 & 869-880/890-891.5	CSI-BDA51062-CAN	CSI-BDA51075-CAN	CSI-BDA61080-CAN
Cellular B Notched	835-845/846.5-849 & 880-890/891.5-894	CSI-BDA51062-CBN	CSI-BDA51075-CBN	CSI-BDA61080-CBN
<b>DUAL BAND</b>				
	<b>800 or 900 MHz and PCS 1900 or DCS 1800</b>			
Cellular / PCS**	824-849/869-894 & 1850-1910/1930-1990	CSI-BDA51062-C(X)/P(X)	CSI-BDA51075-C(X)/P(X)	CSI-BDA61080-C(X)/P(X)
SMR 800 IDEN / PCS**	806-821/851-866 & 1850-1910/1930-1990	CSI-BDA51062-S8i/P(X)	CSI-BDA51075-S8i/P(X)	CSI-BDA61080-S8i/P(X)
SMR 800 / PCS**	806-824/851-869 & 1850-1910/1930-1990	CSI-BDA51062-S8/P(X)	CSI-BDA51075-S8/P(X)	CSI-BDA61080-S8/P(X)
SMR 900 / PCS**	896-901/935-940 & 1850-1910/1930-1990	CSI-BDA51062-S9/P(X)	CSI-BDA51075-S9/P(X)	CSI-BDA61080-S9/P(X)
SMR 800 / 900	806-824/851-869 & 896-901/935-940	CSI-BDA51062-S8/S9	CSI-BDA51075-S8/S9	CSI-BDA61080-S8/S9

\* Dimensions/weight is equivalent to a Dual Band/Dual Passband BDA.

\*\* Multiple Cellular and/or PCS Configurations Available. Contact CSI For Product Details.