



## >> IN-BUILDING AMPLIFIER Model 150

### Extends Coverage

The Model 150 In-Building Amplifier, featuring 50 dB of gain, is the perfect solution for small office/ home office installations. This easy to install BDA was designed for placement on a desk or counter top but can also be wall mounted if preferred. The Model 150 provides, as standard, the following integrated features:

- The Model 150 continuously monitors its operation for instability and responds by reducing the gain of the amplifier to eliminate an unstable condition.
- Automatic Gain Control (AGC) lowers the amplifier gain in order to reduce strong signals.
- The overload shutdown with automatic recovery feature detects very strong signals that cannot be adequately controlled by the AGC. The amplifier will disable itself and then attempt to recover. The amplifier is active for a very brief period of time (less than 30 milliseconds) until the overload condition is eliminated.
- Higher power output than any other amplifiers in its class with approximately 100 milliwatts (+20 dBm) in the uplink and downlink for all models.

### Specifications

Gain	50 dB
Linear Output Power	+19 dBm (typical)
Propagation Delay	<150 nsec.
Noise Figure	4 dB
Dimensions/ Weight	
Cellular, SMR, & GSM	6.24" x 3.05" x 1.13" / 2 lbs (158.5 x 77.5 x 28.7 mm / 0.907 Kg)
PCS & DCS	8.50" x 4.51" x 1.07" / 1.4 lbs (215.9 x 114.55 x 27.18 mm / 0.63 Kg)
Connectors	N-Female
Power Requirements	+5 Vdc, 1.2A
Indicator LEDs	Power, AGC, Isolation, Shutdown

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### MODEL NUMBER & BAND

- >> **CSI-BDA150-C**  
Cellular Full  
824-849 & 869-894 MHz
- >> **CSI-BDA150-S8i**  
SMR 800 IDEN  
806-821 & 851-866 MHz
- >> **CSI-BDA150-S8**  
SMR 800 Full  
806-824 & 851-869 MHz
- >> **CSI-BDA150-S9**  
SMR 900  
896-901 & 935-940 MHz
- >> **CSI-BDA150-P**  
PCS Full  
1850-1910 & 1930-1990 MHz
- >> **CSI-BDA150-D**  
DCS  
1710-1785 & 1805-1880 MHz
- >> **CSI-BDA150-G9**  
GSM  
890-915 & 935-960 MHz

### FEATURES & BENEFITS

The only small office/home office BDA to feature:

- >> Isolation Control
- >> Automatic Gain Control (AGC)
- >> Overload Shutdown



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