



Wilson® Cellular Introduces A New Professional In-Building Amplifier with Smart Technology™

Wilson's new series of In-Building Amplifiers offer exceptional performance without causing harmful interference to the cell site

Features

- Greater than 60 dB computer controlled adjustable AGC dynamic range
- Automatic Gain Adjusting in the event of oscillation and/or overload
- 2 dB Gain Steps 30-60 dB
- Automatic shutdown on overload
- Uplink Squelch – optional
- TIA/EIA-98-E 3.5.1 Receiver Sensitivity better than -110 dBm
- CDMA/rho > .912

LED Indicators:

- Power
- Oscillation
- AGC

Models:

- Cellular
- iDEN
- PCS
- Dual Band Cellular/PCS
- Channeled for Cellular Bands
- Channeled for PCS Bands

Amplifier Specifications

Part Number	801106	801306	804006
Frequency	824-849 MHz Uplink 869-894 MHz Downlink	1850-1910 MHz Uplink 1930-1990 MHz Downlink	806-821 MHz Uplink 851-866 MHz Downlink
Gain (up/down)	60 dB Max	60 dB Max	60 dB Max
Linear Output Power	+30 dBm	+30 dBm	+30 dBm
Max Output Power	3 Watts	3 Watts	3 Watts
Max RF (up/down)	+30 dBm / +30 dBm	+30 dBm / +30 dBm	+30 dBm / +30 dBm
Noise Figure (typical)	3 dB nominal	3 dB nominal	3 dB nominal
Flatness (up/down)	+/- 2.5 dB	+/- 2.5 dB	+/- 2.5 dB
Isolation	Uplink/Downlink more than 90 dB	Uplink/Downlink more than 90 dB	Uplink/Downlink more than 90 dB
Power Requirements	120 V AC 225 MA Max	120 V AC 225 MA Max	120 V AC 225 MA Max
Connectors	N-Female	N-Female	N-Female
Dimensions	4.5" x 3.5" x 1.25"	4.5" x 3.5" x 1.25"	4.5" x 3.5" x 1.25"
Weight	1.5 lbs	1.5 lbs	1.5 lbs