



The "Real" Name in Affordable Mobile and Home Based Cellular Amplification Solutions

PCS • TDMA • GSM • CDMA • AMP

Now there's a unique solution that significantly extends your wireless phone's range, providing up to 20 mile coverage increase, giving you the maximum power allowed for a wireless phone – the Inteligain Cellular/PCS Amplifier.

up to **20 Miles** coverage increase

DBA8-19



Manufactured under license from Motorola, Inc.

How many times has this happened to you?

You're trying to call home, or you're waiting for an important call, but your wireless phone keeps dropping calls or displaying 'No Service' ... another frustrating wireless dead zone. You're not alone. Lack of service, dropped calls and poor connections are the #1 complaints from wireless phone users. Your provider's coverage never seems to keep you connected in all the areas where you need wireless service.

The Solution!

Inteligain DBA8-19 Dual Band, Cellular/PCS amplifier with Inteligain™ technology, combined with Motorola patented technology, provide optimized communication from your wireless phone provider's network. Making constant adjustments, the amplifier provides just the right amount of power to both your transmitted and received signals to keep you connected at extended ranges or in challenging geographic conditions.

The Inteligain amplifier provides intelligent system control resulting in optimized power levels communicated from the tower to your wireless phone. Responding to the tower control, the amplifier adds just the right amount of power to your phone, making constant adjustments to keep you connected at all times. The full output delivers up to 20 miles of added signal distance on land, often meaning the difference between making and keeping a connection. The Inteligain's signal boost means you get greater service coverage, more successful connections, better call quality, and fewer dropped calls.

THE DBA8-19 amplifier is the original amplifier that works with any U.S. cellular phone (excluding Nextel) and is compatible with every U.S. provider's system – any frequency, any technology. You never have to change amplifiers when you change phones or providers.

Inteligain allows the tower to control your wireless phone's power levels to optimize system performance. The added signal strength provided by the Inteligain amplifier means more reliable tower handoffs, minimizing dropped calls. The high power output in weak signal areas, broadcasts digital signals over greater distance so that you have more successful data transmissions too.



Keeping you and your Data Connected



Keeping you and your data connected

- Up to 3-watt cellular output, and 2.0 watt PCS output delivering maximum signal gain for your wireless phone.
- Works with any cellular or PCS phone, on any frequency and on any U.S. providers' system. (excluding Nextel)
- Unique technology is combined with Motorola patented technology for up to 20 miles of added signal distance in rural areas.
- More connections in limited service areas.
- Better call quality, extended range, and fewer dropped calls.
- Enhances the transmitting of calls.
- Significantly improves range and reliability for data transmissions.
- Approved by FCC laboratory.

| Specifications | TX Uplink/Transmit | RX Downlink/Receive |
|-----------------------------|--|--|
| Frequency Range | 824 – 849 MHz • 1850-1910 MHz | 869 – 894 MHz • 1930-1990 MHz |
| Output Power | 3 Watt @ 836.5 MHz typical • 2 Watt @ 1880 MHz typical (ERP) | |
| TX Gain | 6 dB to 18 dB, @ 836.5 MHz • 6 dB to 15dB, @ 1880 MHz | 8 dB ± 3 dB @ 881 MHz • 8 dB ± 3 dB @ 1960 MHz |
| Minimum Input for | 32 mW (15dBm) @ 836.5 MHz • 35mW (16 dBm) @ 1880 MHz | |
| Maximum Output Power | | |
| Rx Noise Figure | 7 dB max | 7 dB max |
| VSWR (typical) | 2:1 | 2:1 |
| Maximum Input Power | 60 milliwatt | 40 milliwatt |
| Input DC Power | 10V – 24V, 2 Amps maximum | |
| Operating Temperature Range | -20°C to 70°C (-40 to 158°F) | |
| Overall Dimensions | 5.25" L x 4.5" W x 1.56" H (134mm L x 115mm W x 40 mm H) | |
| Net Weight | 1.36 kg (3 lbs) | |
| RF Connectors | TNC Female | |
| Included Items | One 2M (78") DC power cord | |
| Optional Items | Carrying case, Cigarette Lighter Adaptor, Suction Cup Dual Band Antenna, AC/DC Adaptor, Phone Interconnection cable, RF adapters | |

This product manufactured under license from Motorola, Inc., "Ipkmot™". This product is produced under the following US and foreign patents; 5815804, 6049704, 4896124, 5060294, 6025753, 6281748, 6496708, 5438684, and EP1035657.

Please call for your nearest distributor

