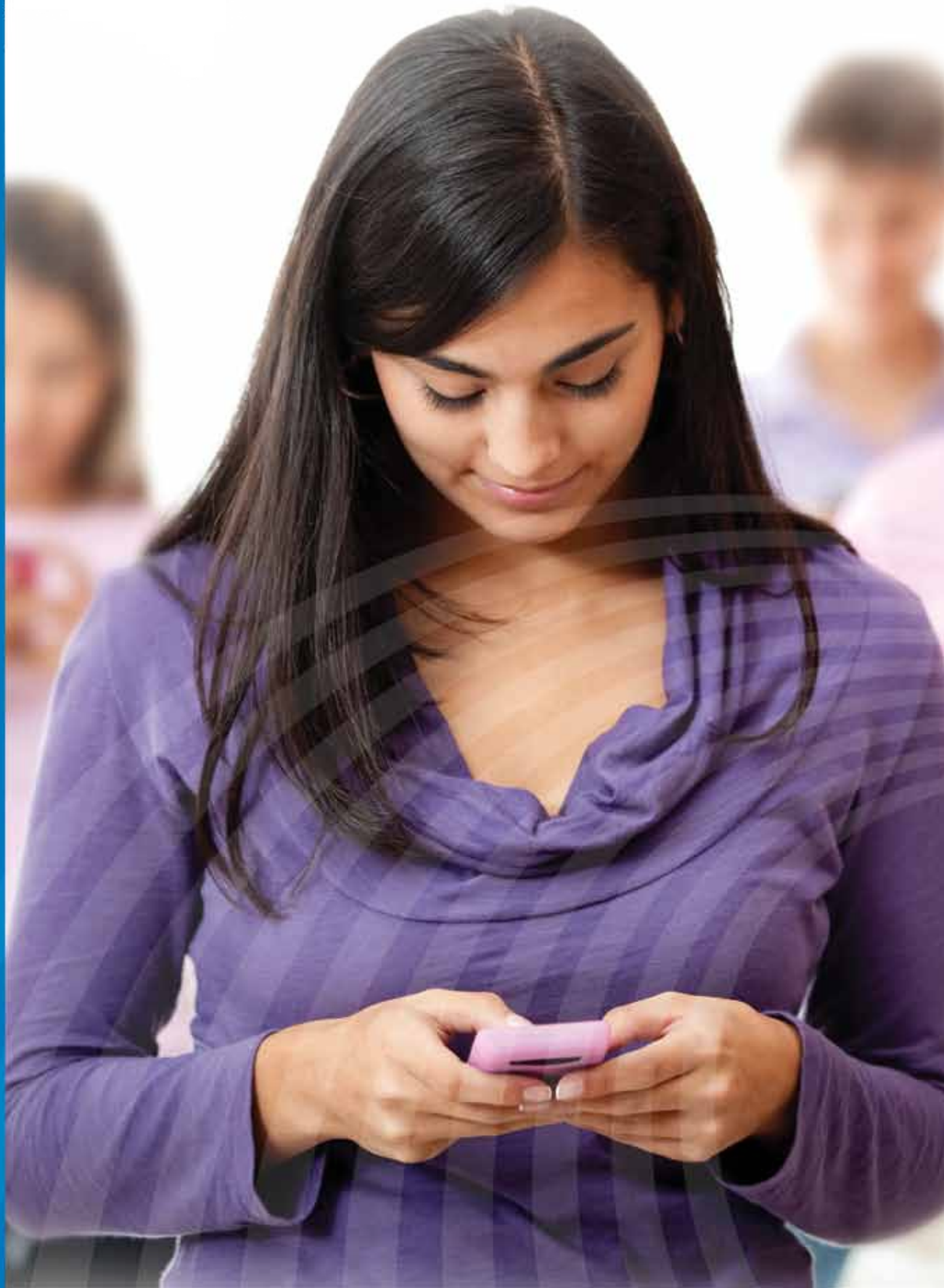
ANADIGICS

WIRELESS INFRASTRUCTURE PRODUCTS



Small-Cell Wireless Infrastructure Power Amplifiers

Provide Industry-Leading Combination of Efficiency, Linearity, and Thermal Performance

Our small-cell wireless infrastructure power amplifiers leverage ANADIGICS' patented InGaP-*Plus*™ technology and unique design architectures to deliver best-in-class efficiency, linearity and thermal characteristics. This level of performance enables manufacturers to develop infrastructure solutions that consume less power and provide higher throughput and greater coverage. Our family of small-cell power amplifiers are optimized for ¼-Watt and ½-Watt linear output power to support a wide array of applications, including picocells, enterprise-class femtocells, and high performance customer premises equipment (CPE).

- **High linearity** to support WCDMA, HSPA, and LTE small-cell base stations
- **Best-in-class efficiency** for improved reliability and low cost thermal design
- **Low-noise**, **low distortion** for very low spectral emission levels
- **Low transistor junction temperature** for higher long-term reliability
- **Integrated RF matching** optimized for output power, efficiency, and linearity in a 50 ohm system

¼ Watt Linear Small-Cell Infrastructure Amplifiers

Frequency (MHz)	Linear Output Power (dBm)	Efficiency (%)	Gain (dB)	Supply (V)	Package Size (mm)	Part Number
860 - 894	+24.5	14.5	30	4.2	7 x 7 x 1.3	AWB7125
925 - 960	+24.5	15	30	4.2	7 x 7 x 1.3	AWB7129
1930 - 1990	+24.5	17	31	4.2	7 x 7 x 1.3	AWB7123
2110 - 2170	+24.5	18	30	4.2	7 x 7 x 1.3	AWB7127
2545 - 2690	+24.5	16	28	4.2	7 x 7 x 1.3	AWB7128

½ Watt Linear Small-Cell Infrastructure Amplifiers

Frequency (MHz)	Linear Output Power (dBm)	Efficiency (%)	Gain (dB)	Supply (V)	Package Size (mm)	Part Number
728 - 768	+27	13	29	4.5	7 x 7 x 1.3	AWB7224
860 - 894	+27	13	29	4.5	7 x 7 x 1.3	AWB7225
1930 - 1995	+27	14	29	4.5	7 x 7 x 1.3	AWB7223
2110 - 2170	+27	14	29	4.5	7 x 7 x 1.3	AWB7227
2545 - 2690	+27	14	27	4.5	7 x 7 x 1.3	AWB7228

WiMAX Power Amplifiers

Combine High Efficiency and High Linearity to Enable Greater Performance in Mobile and CPE Applications

Our WiMAX power amplifiers deliver outstanding efficiency, linearity, and noise performance to satisfy the demanding OFDM modulation requirements for ultra-high throughput mobile and customer premises equipment (CPE) connectivity. These PAs are fully compatible with advanced features such as quality of service (QoS) and low latency, which support time sensitive and loss sensitive multimedia applications including streaming video and VoIP.

- **High linearity** and low noise to maximize signal fidelity over a wide range of conditions
- **High efficiency** to extend battery-life in mobile applications
- **Low EVM** to maintain high modulation accuracy for error-free transmission
- **Integrated power detectors and attenuators** to save PCB space
- **Integrated RF matching** optimized for output power, efficiency, and linearity in a 50 ohm system

Optimized for WiMAX Mobile Applications

Frequency (MHz)	Linear Output Power (dBm)	Efficiency (%)	Gain (dB)	Supply (V)	Integrated Attenuator	Integrated Detector	Package Size (mm)	Part Number
2300 – 2700	+25	24	32	3.3	Y	Y	4 x 4 x 1	AWT6264
2500 - 2700	+23.5	20	30	3.3	Y	Y	4.5 x 4.5 x 1.4	AWM6423
	+26	25	31	3.4	Y	N	4 x 4 x 1	AWM6268
3300 - 3800	+25	22	31	3.3	Y	Y	4 x 4 x 1	AWT6283

Optimized for WiMAX CPE Applications

Frequency (MHz)	Linear Output Power (dBm)	Efficiency (%)	Gain (dB)	Supply (V)	Integrated Attenuator	Integrated Detector	Package Size (mm)	Part Number
2300 - 2700	+28	17.5	31	4.2	Y	Y	7 x 7 x 1.3	AWB7221
3300 - 3800	+29	16	31	4.5	Y	Y	7 x 7 x 1.3	AWB7230

ANADIGICS

Your RF Advantage

At ANADIGICS, our singular focus is developing best-in-class RF solutions that deliver a competitive edge. Our exceptional team of RF designers continuously innovates to create next-generation products that provide measurably superior performance. These performance advantages are backed by our outstanding sales and applications support teams to help you reduce time-to-market and achieve your design goals. So, whether you are trying to extend coverage range, ensure optimal thermal design, or achieve greater throughput, trust ANADIGICS for your next project.

The ANADIGICS Advantage

- Industry-Leading RF Performance
- World-Class RF Integration
- Advanced Process Technology
- Innovative Design Techniques
- Manufacturing Prowess
- Applications Expertise
- Global Presence

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