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SYSTEMS & TECHNOLOGY

Anadigics' Power Amplifier Enables Samsung's Ultra-Slim 3G EVDO Handset

Anadigics, Inc. recently announced that they are shipping production volumes of the company's AWT6307 HELP 3G CDMA EVDO power amplifier (PA) module to Samsung for its SPH-m610 mobile phone available through Sprint. The SPH-m610 is the thinnest clamshell wireless handset currently available in the US.

Measuring less than half-inch in depth, the handset features a large QVGA internal display, 2.0 megapixel camera, stereo Bluetooth capable, speakerphone, advanced voice recognition and an external MicroSD memory card slot. The SPH-m610 enables customers to access the latest news, music and entertainment content at broadband-like speeds and play back favorite tunes in MP3, AAC or AAC+ formats. The m610 provides quick and easy access to Sprint-exclusive content including Sprint Movies, the first service for mobile phones in the US to stream full-length movies.

We are delighted that Samsung Electronics has selected Anadigics' HELP2 3G CDMA EVDO power amplifier for the SPH-m610 mobile phone. The m610 delivers an innovative package of excellent video, music and memory capabilities, said Dr. Bami Bastani, president and CEO of Anadigics. Our differentiating HELP2 technology enables handset manufacturers to design feature rich 3G mobile devices with

improved talk-time, making them well suited for today's popular ultra-thin handsets."

The AWT6307 uses Anadigics' patented InGaP-Plus technology, which combines HBT and pHEMT devices on the same die, to enable state-of-the-art reliability, temperature stability and ruggedness. Through selectable bias modes, the AWT6307 achieves optimal efficiency across different output power levels, specifically at low- and mid-range power levels where the PA typically operates, thereby dramatically increasing handset talk-time and standby-time.

The AWT6307 meets the increasing demands for higher efficiency and smaller footprint CDMA EVDO handsets. The self contained 3 mm by 3 mm by 1 mm modules are designed for applications that require European Union's Restrictions of Hazardous Substances (RoHS) solutions.



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