



**OPTICHRON<sup>®</sup>**

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**FOR IMMEDIATE RELEASE**

**Optichron<sup>®</sup> Compact Digital Pre-Distortion ICs Ship in Volume to Enable Lower Cost Wireless Infrastructure Equipment**

*Delivers Industry-Leading Signal Linearization Performance in a Smaller Package*

**FREMONT, Calif. – February 18, 2008** – Optichron, Inc., the leader in nonlinear signal processing, today announced the volume production availability of the OP4400-15IBBG and OP4400-20IBBG, members of the OP4400 family of high-performance digital pre-distortion (DPD) linearization products. The production news follows on the company’s announcement last quarter of these compact-packaged versions, which are optimized for a maximum signal bandwidth of 15 MHz (OP4400-15IBBG) and 20 MHz (OP4400-20IBBG). This smaller 169-pin, 14 mm x 14 mm BGA package offers an advantage where physical size is important. The OP4400 series are monolithic integrated circuits (ICs) that use Optichron’s proprietary nonlinear digital signal processing technology to eliminate nonlinear distortion, the main performance inhibitor for costly power amplifiers (PA) used in wireless infrastructure equipment and other signal processing systems. It is the industry’s first commercially available, self-contained DPD device, requiring no external processor or support circuitry, and requires no algorithmic programming. All of the OP4400 family are adaptive, universally applicable to any PA configuration and support any signal chain architecture and modulation scheme.

“Optichron is pleased to report that customer demand is strong and we are continuing to ramp production across the OP4400 series,” said Perry Constantine, chief executive officer of Optichron. “The volume availability of a compact DPD IC with the industry’s best performance

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is much anticipated and ensures customers of a clear path to more innovative and cost-effective wireless infrastructure development and production.”

### ***Availability and Pricing***

The OP4400 DPD devices are available in several speed grades. Housed in a 352-pin, 27 mm x 27 mm BGA package, the OP4400-30IBAG is optimized for a signal bandwidth of 30 MHz, the OP4400-20IBAG and OP4400-20IBBG, are optimized for a signal bandwidth of 20 MHz and the OP4400-15IBBG is optimized for a signal bandwidth of 15 MHz. Now in volume production are the OP4400-20IBBG and OP4400-15IBBG in the smaller 169-pin, 14 mm x 14 mm BGA package. The DPD product line operates over the full industrial temperature range of -40° to 85° C, and is RoHS compliant. Production volumes are now available. Pricing is available upon request.

### ***About Optichron***

Optichron, Inc., a leader in nonlinear signal processing technology, designs and manufactures integrated circuits that enable significant improvements in system-level cost:performance for communications applications. Optichron® proprietary linearization technology is the industry’s most efficient solution for correcting nonlinear distortion, a problem present in all signal processing systems. Signal linearization gives system designers more headroom to implement faster, more efficient systems that cost less to build and operate. For more information and product details please visit [www.optichron.com](http://www.optichron.com).

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