

Gennum's Latest Transimpedance Amplifiers Enable Next Generation 10Gb/s Optical Interfaces

Delivers high sensitivity TIA for SFP+ implementations

BURLINGTON, ON – September 24, 2007 – Further broadening its portfolio of high-performance data communications solutions, Gennum Corporation (TSX: GND) unveiled two new additions to its successful lineup of wideband, low-noise transimpedance amplifiers (TIAs) for next-generation SFP+ optical modules. Achieving one of the industry's best sensitivity capability over a wide range of operating conditions, the new devices provide module vendors with increased performance margins. This ensures that Gennum-enabled modules meet industry-required performance specifications, which results in dramatic manufacturing test cost savings and delivers a significant time-to-market advantage.

"Gennum's expertise in high-performance data communications has enabled the development of these new TIAs, adding to our growing portfolio of data communications products," said Imran Sherazi, Director of Marketing, Optical Products Division for Gennum Corporation. "Increasingly, customers are forced to choose between performance and design-robustness. Leveraging our technology, customers are able to design optical modules without the need for extensive testing across operating conditions, part binning or device tuning. The added benefits of low power consumption, increased sensitivity and high bandwidth capability will enable our customers to deploy our TIAs in next-generation optical modules for SONET and 10GE applications."

TIAs play an important role in data communications by converting current, generated by an optical receiver's PIN or avalanche photodetector (APD), into a voltage signal for other high speed ICs in the receive-chain. Signal integrity is key during this conversion and TIAs must convert the smallest current signals into a substantial voltage swing with minimum addition of noise. This highly optimized conversion must occur across a wide range of operating conditions, such as temperature and supply voltages. Gennum's unique TIA architecture provides world-class sensitivity for both long and short range applications, increasing performance margin and reducing manufacturing and test costs. Additionally, Gennum's innovative architecture provides the highest bandwidth, up to 12Gb/s, ensuring signal integrity in a wide range of cost-optimized optical packages.

Delivering World-Class Signal Integrity

The GN1057 is an automatic gain control (AGC) TIA targeting long reach multimode (LRM) applications. The GN1057 can achieve high linearity and total harmonic distortion (THD) without compromising the best-in-class sensitivity that customers have come to expect from Gennum TIAs. Targeting PIN and APD applications for 10GE and SONET interfaces in SFP+ and other module form

factors, the GN1055 and GN1057 TIAs represent Gennum's follow up to its industry-leading 10Gb/s TIA, the GN1052.

Technical specifications for the GN1055/1057 include:

- Data rate: 10 to 11.3Gb/s 3.3V Transimpedance Amplifier
- Operating voltage range from 2.97 to 3.63V
- Operating temperature range from -40 to 125°C temperature
- -21dBm sensitivity
- +4dBm overload
- Power consumption: 145mW

Availability

The GN1055 and GN1057 are sampling now with volume production expected by January 2008. Anticipated pricing is \$12 in quantities of 1K.

About Gennum

Gennum Corporation (TSX: GND) is a leading designer and manufacturer of semiconductor solutions for the global video and data communication markets. A winner of a Technical Emmy® award for advances in high definition (HD) broadcasting, Gennum's broad portfolio of products and technologies include image processors, video timing and transport products, ICs for optical transceivers and backplane interconnects. Gennum is headquartered in Burlington, Canada, and has global design, research and development and sales offices in Canada, Japan, Korea, Taiwan and the United Kingdom.

www.gennum.com

Gennum Media Contact:

Robin Vaitonis

Tel: (905) 632-2999 ext. 2110

E-mail: vaitonis@gennum.com

Gennum, the Gennum logo are registered trademarks of Gennum Corporation. All other product or service names are the property of their respective owners. Gennum Corporation, 2007.