



Applied Optoelectronics Announces 100Gbps PIN Photodiode Chips

March 1, 2019

SUGAR LAND, Texas, March 01, 2019 (GLOBE NEWSWIRE) -- Applied Optoelectronics, Inc. (Nasdaq: AAOI), a leading provider of fiber-optic access network products for the internet datacenter, cable broadband, telecom and fiber-to-the-home (FTTH) markets, today announced the availability of 100 Gbps per lambda PIN photodiodes (PD) for high-speed optical transceivers.

AOI's high performance 100 Gbps InGaAs PIN PDs are front-side illuminated and feature a high-speed Ground-Signal-Ground (GSG) electrical pad configuration. The devices are designed for operation in the important optical communication wavelength bands between 1270-nm and 1610-nm. In addition to high bandwidth, the devices also are designed to have high responsivity, low capacitance, low dark current, and excellent reliability even in the most demanding application environments. The 100 Gbps PIN PD with 15 μm aperture can achieve receiver sensitivity of -9dBm OMA. Pairing this with AOI's 100 Gbps PAM4 lasers, the 100 Gbps PIN PD is ideal for applications such as the 100G DR, 100G FR, 400G DR4 and 400G FR4 transceivers, which are used primarily by large datacenter operators to interconnect switches within their datacenters.

"The laser diode and the photodiode are the two critical active optical components in fiber-optic transceivers. With this new 100 Gbps per lambda PIN PD, we are now able to manufacture both of these key components in our in-house fab, which enhances our vertical integration and allows us to better serve our 100G and 400G customers," commented Dr. Jun Zheng, AOI's vice president of R&D.

The devices are currently available for sampling, with volume production expected in the second quarter of 2019. For more information, including pricing, please contact the AOI sales team at sales@ao-inc.com.

About Applied Optoelectronics

Applied Optoelectronics Inc. (AOI) is a leading developer and manufacturer of advanced optical products, including components, modules and equipment. AOI's products are the building blocks for broadband fiber access networks around the world, where they are used in the internet datacenter, CATV broadband, telecom and FTTH markets. AOI supplies optical networking lasers, components and equipment to tier-1 customers in all four of these markets. In addition to its corporate headquarters, wafer fab and advanced engineering and production facilities in Sugar Land, TX, AOI has engineering and manufacturing facilities in Taipei, Taiwan and Ningbo, China. For additional information, visit www.ao-inc.com.

Media Inquiries:

Willis Chen
+1-281-295-1807
wchen@ao-inc.com



Source: Applied Optoelectronics, Inc.