

Press release

Press contact:

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AOI Introduces Wide-Temperature-Range High-Speed Optical Transceiver for CWDM

Wessling, 28 Aug. 08, Applied Optoelectronics introduces a family of new small-form-factor pluggable (SFP) optical transceivers with industrial operating temperature range.

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AOI presents wide-temperature-range high-speed optical transceiver for CWDM

The transceivers operate up to 4.5 Gigabits per second, and are designed to meet the wavelength specifications required in coarse wavelength division multiplexed (CWDM) networks over their entire operating temperature range, extending from -40 °C to +85 °C.

Most currently available CWDM SFP modules operate over a temperature range from -10 to +70 °C. A combination of unique uncooled laser chip design and an optimized module design enables this significant advance in transceiver technology.

“Minimizing wavelength drift in the new family of CWDM transceivers was a significant challenge, and AOI’s combination of chip and module capabilities enabled this latest enhancement of our SFP product line,” comments Dr. Chau-Hong Kuo, AOI’s Product Manager for transceiver products. “The enhanced operating temperature range CWDM transceivers add to our industry-leading suite of robust, highly reliable products for demanding applications.”

Like many of AOI’s SFP products, the newly released modules offer:

- Hot pluggable SFP Multi-Source Agreement compliant
- Serial ID functionality support
- FC-P1 13.0 compliant
- Digital diagnostic SFF-8472 compliant
- Meets GR 468 reliability specifications

The new transceivers are offered at all wavelengths specified in the ITU-standard CWDM grid (G.694.2) from 1270-nm through 1610-nm.

The transceivers are shipping in volume.

For further information, contact:

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About Applied Optoelectronics Incorporated

Applied Optoelectronics Incorporated (AOI) develops and manufactures advanced optical devices, including laser diodes, photodiodes, related modules and circuitry, and equipment for applications in fiber-to-the-home, cable television, point to point communications, and wireless.

Read more: www.ao-inc.com

About Laser 2000

Laser 2000 Fiberoptic has different branches of activity where all of them are dedicated to fiber optics or photonics. In the fiberoptics field Laser 2000's offering comprises a large variety. Starting from optical patchcords, attenuators and transceivers like GBICs and transceivers like GBICs and SFPs it ranges to easy to deploy CWDM and DWDM solutions. Furthermore aggregation and optical transport for access, metro and regional networks are a fix part of the portfolio. With different quality partners Laser 2000 is able to provide the right solution for its customers. As Laser 2000 is very knowledgeable in the optical domain they can even tailor dedicated solutions for special needs.

Laser 2000 offers additionally test and measurement equipment for installers and operators of fiber optical networks. Since 1986 Laser 2000 GmbH is a supplier of high technology in the field of lasers, micromachining equipment, optics, and fiber optic equipment. Our products are designed to meet the challenges of both research and industrial production as well as your actual or future requirements of your applications. Laser 2000 is headquartered in Munich, Germany and operates local offices in all major business areas of the European market. In order to support your application we deliver top-level service and products and meet the highest standard of quality. With an installed base of thousands of applications around the world, Laser 2000 has shown the ability to provide onsite-support in time.

More information: www.laser2000.de

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