

PRODUCT ANNOUNCEMENT

NEW 850 nm Superluminescent Light Emitting Diode SLED Line

Zurich, Switzerland, January 31, 2006. EXALOS has extended its family of powerful Superluminescent Light Emitting Diodes (SLEDs) with the new 850 nm Line. SLEDs are semiconductor light sources that combine the spatial coherence of a laser diode with the temporal incoherence of an LED. This combination is extremely useful for a wide range of applications.

SLEDs at 850 nm are especially suited for optical coherence tomography (OCT) and biomedical applications thanks to their high output power and large bandwidth, and high suppression of second coherence peaks. Their spectra show a clean Gaussian shape with very low ripple values.

Typical values for the EXS8501-1411 are 1.2 mW optical output powers in a single mode fiber and 50 nm 3dB spectral bandwidth. The EXS8505-1411 achieves 2.0 mW optical output powers in a single mode fiber and 45 nm 3dB spectral bandwidth. The EXS8510-1411 achieves 5.0 mW optical output powers in a single mode fiber and 35 nm 3dB spectral bandwidth. The standard product is delivered in a 14 PIN DIL housing with built in thermo electric cooler (TEC) and monitor diode. Uncooled devices in TOSA housings are also available. The devices are based on EXALOS proprietary design. Devices are in production and BELLCORE GR-468-CORE and MIL-STD qualified.

For more information about our SLEDs please visit our website at www.exalos.com or email us at sales@exalos.com. You can also contact our North American office at +1 408 370 7523 and our Headquarters at +41 43 444 60 90.

ABOUT EXALOS

EXALOS, an ISO 9001:2000 certified company, is developing and selling SLEDs to the fiber optic gyroscope, medical imaging, test equipment and sensor industries. The company has its headquarters in Zurich, Switzerland.

EXALOS has established strategic alliances with technological- and cost leadership partners, with the goal to provide customers with the optimum balance of price, time to market, performance, and size for any given specification. This approach gives EXALOS the flexibility to develop devices as solutions tailored for particular customers and markets.

EXALOS SLEDs currently target specific applications in four major markets:

- > Fiber optic gyroscopes for applications such as avionics, aerospace and navigation
- > Optical coherence tomography for medical applications such as cornea and retina diagnostics
- > Optical channel monitors, chromatic and polarization mode dispersion, and passive components characterization in test equipment for telecom and datacom systems
- > Fiber optic sensors for civil structure monitoring such as bridges and oil pipelines as well as temperature, pressure, and electrical current measurements

Certified ISO 9001 : 2000 by



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