

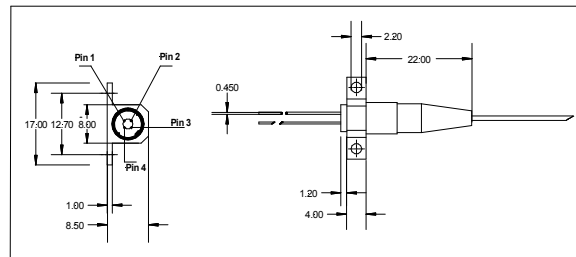
Invitation ECOC 2004
Stockholm September 5-8
Booth 217

Invitation CIOE 2004
Shenzhen September 5-9
Booth 191, Hall D

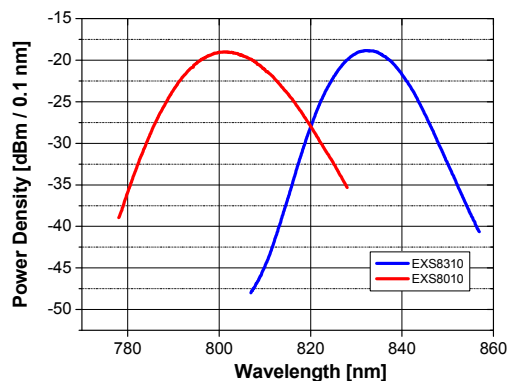
EXALOS releases NEW TO-800 / TO-830 nm Superluminescent Light Emitting Diode Line

Superluminescent Light Emitting Diodes (SLEDs) are light-emitting diodes utilizing amplification by stimulated emission, but having insufficient feedback for oscillations to build up and to achieve lasing action. They are much more powerful than standard LEDs and are particularly advantageous for applications requiring high power density. The new products EXS8010-8411 and EXS8310-8411 are part of EXALOS's family of broadband SLEDs for fiber optic telecommunications, instrumentation, optical coherence tomography, structural sensors, and fiber optic gyroscope applications.

The EXS8010-8411 and EXS8310-8411 offer high output power and large bandwidth in a very cost efficient housing. Typical values are 2 mW optical output power in a single mode fiber and up to 10 mW output power for non pigtailed devices. The product is delivered in a TO-56 housing with different fiber pigtailed, including multimode and polarization maintaining fiber. The devices are based on EXALOS proprietary patent design. Devices are in production and BELLCORE GR-468-CORE qualification results will be ready for review at the show.



TO- packaged products offer extremely high performance/price ratios and are used in many different types of applications.



The new components operate in the 820 nm window, with centre wavelength within the 800 & 830 nm spectral range.

Typical FWHM bandwidth is 30 nm. The output has a spectral ripple of less than 0.05 dB. An operating current of up to 100 mA generates typical optical output power of 2 mW (i.e. +3 dBm) in the single mode fiber.