



Press Release

3S PHOTONICS ENABLES A GREEN REVOLUTION

Nozay, September 17, 2009 – 3S PHOTONICS, the world-class French manufacturer of optical and optoelectronic components for telecommunication networks today announced that it will be showcasing a complete range of High-Efficiency pump lasers, at next week's ECOC 2009 Exhibition and Conference from 21st -23rd September in Vienna.

Optical amplification is a major contributor to overall power consumption in today's optical networks. The need for absolute reliability using commercially available chips requires significant cooling of the chip to be provided. The resulting power demands and heat dissipation have a major impact on the design, operation and cost of optical amplification systems.

Whether it is EDFA or Raman amplification, the class leading reliability of the 3S PHOTONICS pump laser chips enables either very high optical output or significantly reduced cooling, whichever is the design priority. The ultimate result is the lowest initial and operating cost/bit of transmitted data.

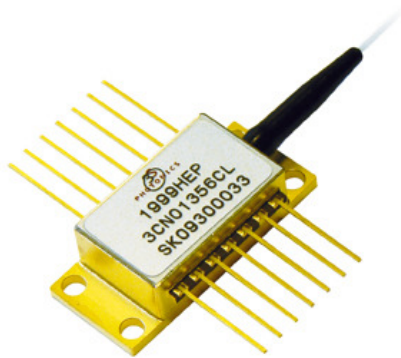
The resulting product range includes cooled, semi-cooled or un-cooled pump laser modules. The conventionally cooled devices with operating power up to 750mW use up to 20% less power compared to competing solutions. *1999 HEP Series* is a semi-cooled product with power up to 500mW and requires up to 50% less power to operate. For the greatest savings of all, 3S PHOTONICS can also provide uncooled pumps with operating power up to 400mW and an 80% reduction in power consumption.

These savings have been achieved through the incorporation of the submarine qualified 1999 LCv2 laser chip which is produced at the 3S PHOTONICS' facility in Nozay, France. With a hermetically sealed, 14-pin butterfly package, and Fiber Bragg Grating (FBG) stabilization integrated into the fibre pigtail, all products provide stable performance over a wide dynamic range. All modules are qualified to Telcordia GR-468-CORE and provide the lowest failure in time (FIT) rates in the industry.

The whole range of 3S PHOTONICS' pump lasers have been designed to be easily integrated into both old and new amplifier platforms with minimum re-engineering required.

"If you look at the growing demand for sustainable energy usage and continuous cost reduction pressures in all industry sectors, power consumption reductions up to 80% will help contribute to the Green Revolution that is required in the telecom sector" said Yannick Bailly, VP Marketing and Product Management of 3S PHOTONICS. *"In addition, the significant capex and opex reductions demonstrate a true "win-win" for both the environment and business".*

If you are serious about helping your business and the environment , come and talk to us on booth #117 at ECOC 2009 next week in Vienna.



About 3S PHOTONICS

3S PHOTONICS – formerly Alcatel Optronics – is the leading world manufacturer of laser chips, optical discrete modules and components for telecommunication networks. It designs, develops, manufactures and commercializes active components powered by in-house III-V optoelectronic chips based on both Gallium Arsenide (GaAs) and Indium Phosphide (InP) technologies and passive components using Fiber Bragg Gratings (FBG).

The 3S PHOTONICS renowned optoelectronic chip manufacturing plant of Nozay is a technological feat that is unique in the world as it brings together GaAs and InP technologies under the same roof.

Its product portfolio includes five product lines:

- * Transmission Laser and Detector Modules
- * Pump Laser Modules for terrestrial and submarine applications
- * Chromatic Dispersion Compensation Modules
- * Filters, gain equalizers and pump stabilizers based on Fiber Bragg Gratings for terrestrial and submarine applications
- * Chips (lasers and detectors) and Front End Services

With over 14 years of experience, the company takes advantage of its expertise and know-how to also address new markets, providing smart solutions for defense, industrial and medical applications.

Based in Nozay (Essonnes near Paris), 3S PHOTONICS is run by Alexandre Krivine and Didier Sauvage. The company employs over 160 people, of which 130 are experts in the photonics industry.

www.3Sphotonics.com

Press Relation

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