



Press Release

## **3S PHOTONICS Introduces** **a New Product Family of Ultra-High Power 980nm Terrestrial Pump** **Laser Modules**

**3S PHOTONICS, the expert in nanotechnologies introduces a new generation of high-power pump laser modules, “1999 CHP”, that enables a next-generation of Erbium Doped Fiber Amplifiers (EDFAs)**

Paris, January 15<sup>th</sup> 2007 - 3S PHOTONICS, a world leading manufacturer of laser chips and modules for telecommunication networks, announces the kick-off of its “1999 CHP” series: a product family of ultra-high power 980nm terrestrial pump laser modules.

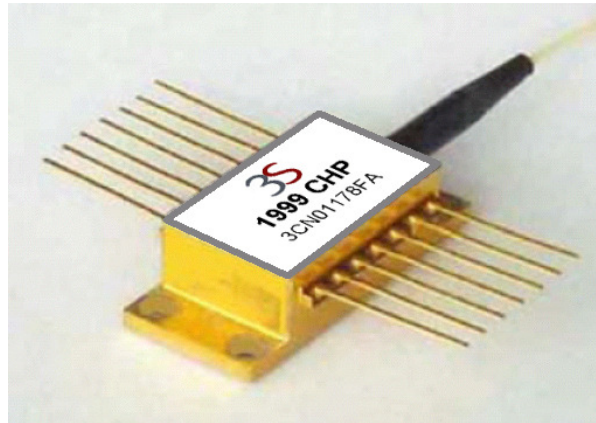
3S PHOTONICS, a recognized leader in the submarine pump laser modules market, leverages its technological expertise to build a new generation of powerful pump modules for terrestrial applications that will form the cornerstone for next-generation Erbium-Doped Fiber Amplifiers (EDFAs). *“This new generation of terrestrial pumps is powered by our in-house chip technology that has been fully qualified for submarine applications, ensuring an unparalleled level of performance and reliability”* explained Yannick Bailly, VP Marketing of 3S PHOTONICS.

**3S PHOTONICS announces general availability and launches volume production of its 660mW Kink-Free, FBG Stabilized, 1999 CHP 980nm Laser Pump Module.**

The 1999 CHP is a new pump product family from 3S PHOTONICS which contains a new Ultra-High Power 980nm laser chip internally developed and fully qualified, exceeding Telcordia recommendations.

- The new pump modules incorporate the latest generation 3S PHOTONICS 1999 LCv2 980nm laser chip, Telcordia qualified, delivering more than 900mW at 1100mA
- Low profile 14-pin Butterfly package with Polarization Maintaining Fiber (PMF) pigtail
- Fiber Bragg Grating (FBG) stabilization
- Multiple wavelength availability
- Integrated Thermo-Electric Cooler (TEC), precision NTC thermistor, and back-facet monitor photodiode
- Up to 660mW kink-free output power from -5°C to +75°C
- Excellent stability performance with high dynamic range
- Fully qualified in accordance with Telcordia GR-468 CORE specifications
- Field proven high reliability

- Applications: Low Noise Erbium Doped Fiber Amplifiers (EDFAs), Next-generation Dense Wavelength Division Multiplexing (DWDM) EDFAs, CATV, and industrial markets



**Products samples are available now.**

#### **About 3S PHOTONICS**

3S PHOTONICS – former Alcatel Optronics and subsidiary of the Alcatel Group – is a leading supplier of optical discrete modules 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 four product lines:

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

With over 13 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 Marcoussis (Essonne near Paris), 3S PHOTONICS is run by Alexandre Krivine and Didier Sauvage. The company employs over 100 experts in photonics industry.

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