OFS EXTENDS REACH AND FLEXIBILITY WITH NEW SPECIALTY PHOTONICS SOLUTIONS

DSCM Product Line and AirClad Gain Block

OFC/NFOEC 2007, Booth 1711, Anaheim, CA, March 27, 2007 - OFS, designer, manufacturer, and supplier of leading edge fiber optic products, today announces two new Specialty Photonics products on display in Booth 1711 at OFC.

* A new line of dispersion slope compensating modules (DSCM) for integration into an industry standard 19” rack.
* An AirClad Gain Block optimized for use in high power DWDM amplifiers.

DSCM

The new product line consists of low loss micro dispersion compensating modules (LLMicro DSCM) for compensation of standard single mode fiber, as well as reconfigurable dispersion compensating modules (R-DSCM) and dispersion compensating Raman amplified dispersion compensating modules (DCRA).

The LLMicro DSCM allows for a 3-4 fold decrease in size as well as the integration of the DSCM onto a linecard that can be built directly into the transmission system. This enables savings in space requirement as well as added flexibility in the design of the transmission system.

“Today’s DWDM systems have increased requirements for space and other physical restrictions, all of which are important economical factors; therefore, the compact nature of our LL Micro DSCM’s are of increasing importance to our system house customers,” explained Finn Birkedahl, Sales and Marketing Manager for the Specialty Photonics Division. “The significant space savings offers increased flexibility and room for future upgrades.”

The R-DSCM enables remote reconfiguration of the level of dispersion compensation rerouting the optical path inside the DSCM. This allows for remote optimization of the transmission system in case of changes to the network.

The DCRA utilizes the excellent gain characteristics of the dispersion compensating fiber resulting in a high Raman gain. This gain may be utilized for extending the performance of the EDF amplifier typically used in transmission systems, either in terms of the transmission span from e.g. 80 km to 120 km, or for expansion of the bandwidth of the amplifier.

These solutions are, as always, engineered with the system integrator in order to help assure the best possible performance of the final system.

AirClad Gain Block

The AiClad Gain Block, optimized for use in high power DWDM amplifiers used in telecommunication and cable TV systems, allows for amplification of optical signals within the entire C-band with output powers in the 1 W range with a flat gain profile. The pump power may be supplied with a single inexpensive multimode laser diode.

The unit consists of the AirClad fiber with appropriate couplers and input/output fiber, and can be seen at the OFS booth 1711 where more details are available.

About OFS

OFS is a world-leading designer, manufacturer and provider of optical fiber, optical fiber cable, connectivity, FTTx and specialty photonics solutions. Our marketing, sales, manufacturing and research teams provide forward-looking, innovative products and solutions in areas including Telecommunications, Medicine, Industrial Automation, Sensing, Government, Aerospace and Defense applications. We provide reliable, cost effective optical solutions to enable our customers to meet the needs of today’s and tomorrow’s digital and energy consumers and businesses.

OFS’ corporate lineage dates back to 1876 and includes technology powerhouses such as AT&T and Lucent Technologies. Today, OFS is owned by Furukawa Electric, a multi-billion dollar global leader in optical communications.

For more information, please visit www.ofsoptics.com.

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