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News Release

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## **OFS ANNOUNCES A NEW COMPACT DISPERSION COMPENSATION RAMAN AMPLIFIER**

### ***Optimally Designed To Achieve Raman Amplification***

**ECOC, Booth #85/86, Copenhagen, Denmark, September 9, 2002** - OFS, designer, manufacturer, and supplier of leading edge fibre optic products, today announced a new compact Dispersion Compensation Raman Amplifier (DCRA) that has been developed through collaboration between the Specialty Photonics Division of OFS Denmark and Furukawa Electric Company. The DCRA is on display for the first time at ECOC 2002 this week.

OFS' RightWave™ Dispersion Slope Compensation Module (DSCM) has fully integrated pump lasers and passive components resulting in a zero loss DSCM and can be controlled via an RS232 interface. The RightWave DSCM was co-designed with TrueWave® REACH fibre to give optimum NZDF system performance. This new RightWave™ DSCM enhancement achieves simultaneous dispersion and dispersion slope compensation, as well as Raman amplification.

"With a very compact and fully integrated design, we now have a solution that can provide simultaneous dispersion slope compensation and gain in one unit," says Kenneth Walker, President of Specialty Photonics Division. "This provides highly cost effective solutions for customers while simultaneously enabling them to reach greater distances in their networks."

The family of OFS DSCMs cover a wide range of applications over a broad wavelength spectrum. These modules offer excellent dispersion and dispersion slope matching for both conventional single-mode and NZDF fibres, such as TrueWave® RS fibre, operating in any band.

The modules are based entirely on mature and reliable single-mode optical fibre technology and are available with any dispersion value required from -10 to -2000 ps/nm, as well as

excellent performance with respect to PMD and MPI. This provides an ideal solution for overcoming the effects of dispersion in single-mode fibres, enabling broadband DWDM operation.

In addition, the compact DCRA solution has the same outer dimensions as a standard DSCM and extremely low power consumption.

By using OFS Denmark's experience with dispersion compensating fibre together with Furukawa's experience in Raman pumps, it has been possible to develop DCRA, which is now being offered to customers with custom specific specifications.

## **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](http://www.ofsoptics.com).

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## **CONTACT:**

Sherry Salyer

OFS Public Relations

[shsalyer@ofsoptics.com](mailto:shsalyer@ofsoptics.com)

Direct: 770-798-4210

Mobile: 678-296-7034