



A Furukawa Company

Your Optical Fiber Solutions Partner™

News Release

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**50 GHZ SPACING 88 CHANNEL ATHERMAL ARRAYED WAVEGUIDE GRATING  
(AWG) SAMPLES NOW AVAILABLE FROM FURUKAWA AND OFS; MASS  
PRODUCTION PLANNED TO START SUMMER 2010**

**OFC/ NFOEC 2010, Booth 1023, San Diego, California, March 22, 2010** - Furukawa Electric Co., Ltd., and the U.S.-based OFS, Specialty Photonics Division, are pleased to announce launch of the new Athermal AWG, a temperature-independent multiplexer/demultiplexer for upgrading capacity in wavelength division multiplexing (WDM) optical transmission systems. The device helps reduce cost by approximately 30% and helps save more than 50% space over conventional 50GHz spacing WDM configurations which use 2 separate 100 GHz spacing AWG modules and a high-unit-cost interleaver. This new design expands overall transmission capacity to meet demand by narrowing the bandwidth (i.e. signal spectrum) and the wavelength spacing between adjacent signals. We meet the challenge of manufacturing a 50GHz 88 channel Athermal AWG module with a single chip by applying high-refractive index difference technology to the optical waveguides.

Furukawa and OFS will be exhibiting at OFC/NFOEC, Booth #1023 beginning March 22, 2010.

**About Furukawa Electric Company, Ltd.**

Furukawa Electric Co. Ltd. ([www.furukawa.co.jp/english](http://www.furukawa.co.jp/english)) is an \$11 billion global leader in the design, manufacture and supply of fiber optic products, network products, electronics components, power cables, nonferrous metals, and other advanced technology products. Headquartered in Tokyo, Japan, Furukawa operates production facilities on five continents around the globe, including OFS and the OFS, Specialty Photonics Division, in the USA.

## **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