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Verrillon–AOFR Announces the Release of High Performance Polarization Maintaining Couplers

Canberra, Australia – March 2, 2006 — AOFR, an established leading fused fiber component manufacturer and supplier announces the release and availability of a range of polarization maintaining (PM) couplers specifically designed for Military, Telecommunications and Industrial OEM users.

PM couplers are designed to maintain the state of polarization after splitting or combining light from polarization maintaining fiber. AOFR's unique polarization maintaining fiber fusing and packaging processes produce PM components with high polarization extinction and low loss using a variety of PM fiber structures and operating wavelengths.

The control and flexibility of AOFR's PM manufacturing process using common PM fiber structures, such as elliptical stress or Panda fibers, gives polarization extinction ratios typically >25dB with excess losses <0.3dB in a sub–30mm package. PM couplers and taps using fiber with reduced cladding diameters of 65µm and 80µm are available for applications requiring tight fiber coils such as Gyroscopes as well as standard 125µm cladding for the Telecommunications and Industrial markets.

Wavelength-flattened versions with $\leq \pm 1\%$ coupling ratio variation over an extended wavelength range are also offered. In many cases, these all-fiber components can replace thin film polarization devices to give a highly reliable, lower cost alternative.

“Considerable development effort also has been put into maintaining the high performance of our PM product range over extended environmental conditions including shock, vibration and operating temperatures from -55°C to 85°C,” said Dr. Peter Jacob, Managing Director of AOFR. “These are key differentiators in the real world applications of these products.”

Verrillon–AOFR will be exhibiting in Booth #2751 at OFC in Anaheim, March 7-9, 2006.

About AOFR – www.aofr.com

AOFR Pty Limited, a subsidiary of Verrillon Inc., develops, manufactures and markets high performance, fiber-based passive components for the Telecom, Military and Industrial markets. AOFR products, which have been deployed in the global optical components market for over 18 years, exhibit the highest level of performance, quality and reliability.

About Verrillon – www.verrillon.com

Verrillon Inc, develops, manufactures and markets innovative specialty optical fibers and fiber based solutions for the Telecommunications, Oil & Gas, Industrial and Military markets. Verrillon's product range also includes Polarization Maintaining Fibers. The company's business model focuses on technology innovation and providing OEM's with rapid product development through flexible high volume manufacturing.