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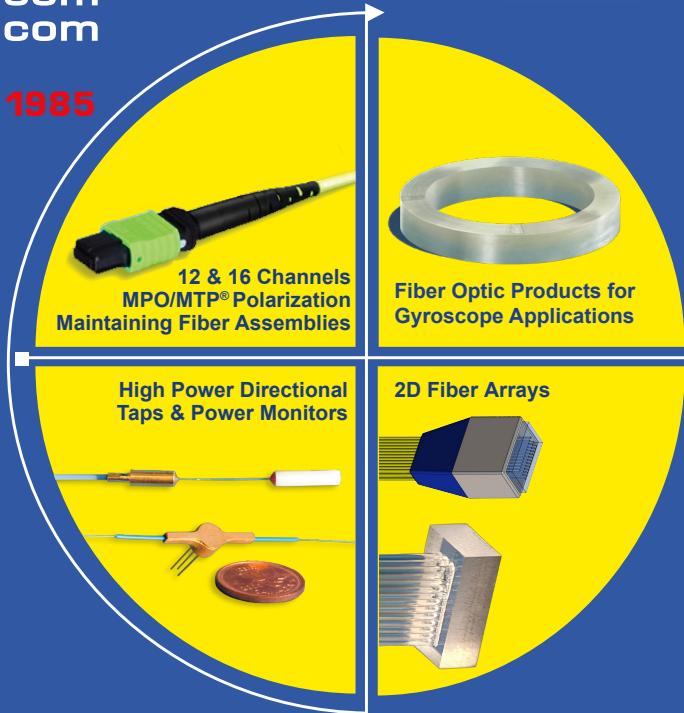


Global Leader in Fiber Optic Products **SINCE 1985**



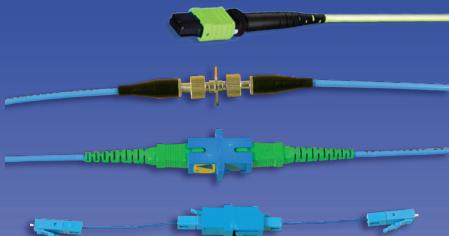
# Fiber Optic Components

## SHORT FORM CATALOG

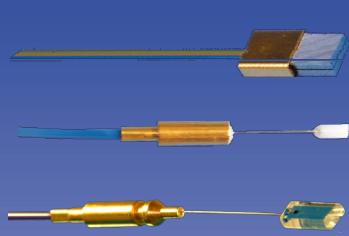


**Polarization Maintaining, High Power Fiber Optic Components, Laser & Laser Diode to Fiber Delivery Components, Fiber Optic Attenuators, Fiber Optic Components for Optoelectronic Packaging**

**Patent Numbers:** USA 7058275, 7067993, 7095931, 7295731, 7431513, 7499151, 7599047, 8090233, 8107782, 9568307, 9696141, 10329196 EPO 10329196, 1527363 CANADA 2110651, 2494133, 2495223, 2496661, 2574702, 2590968, 2629446 CHINA ZL03818458.3



Polarization Maintaining  
Patchcords



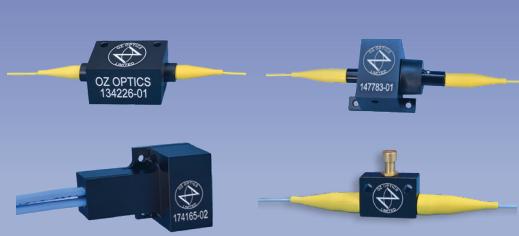
Hermetically Sealable  
Patchcords



Polarization Maintaining  
Splitters/Combiners



High Power  
Laser to Fiber Delivery Systems



Attenuators



High Power/Temperature  
Patchcords & Connectors



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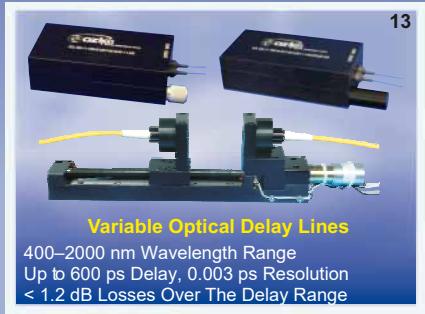
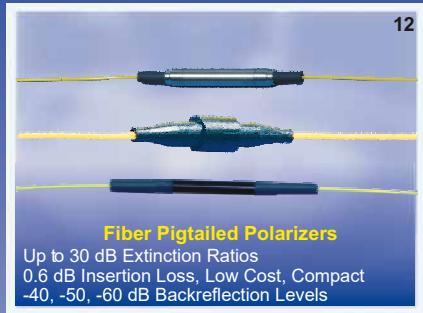
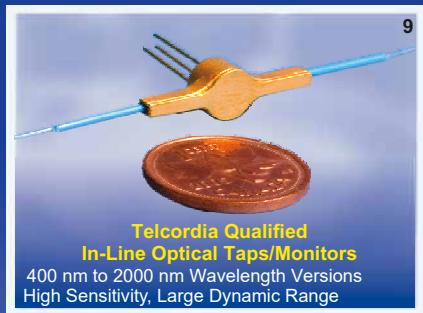
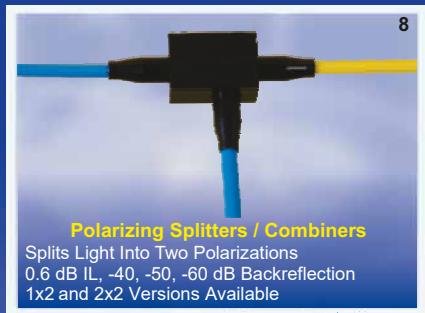


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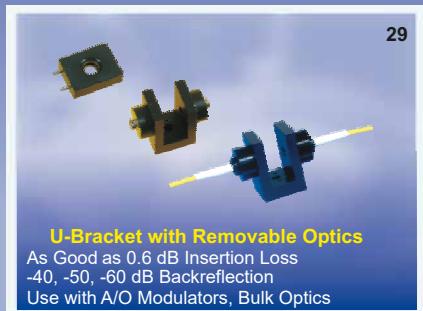
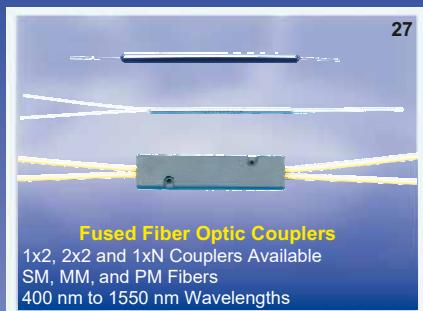
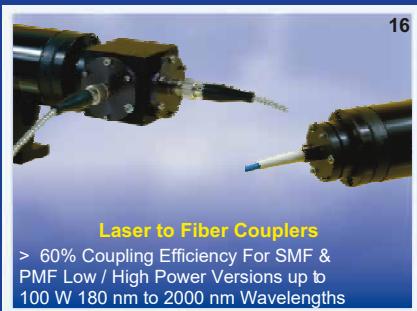


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# Polarization Maintaining Fiber Optic Components



# Laser & Laser Diode to Fiber Delivery Components



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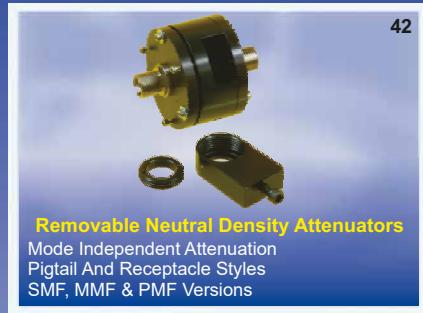


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# Fiber Optic Attenuators



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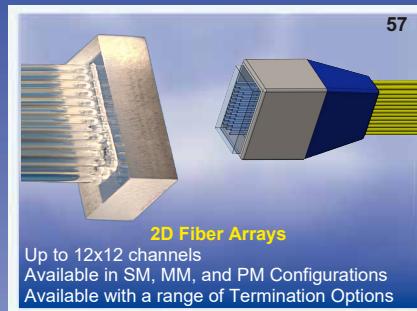
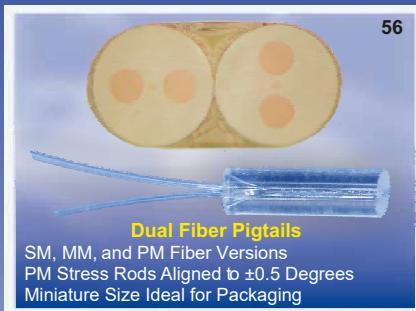
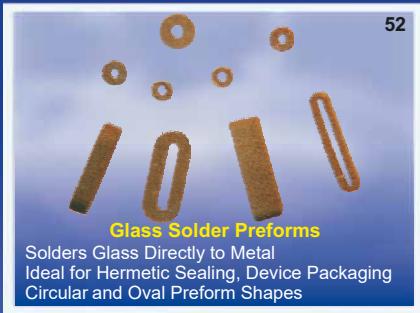
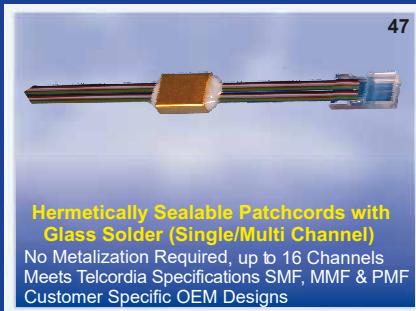
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# Fiber Optic Connectors, Patchcords and Components for Optoelectronic Packaging



# High Power Fiber Optic Components



**High Power Patchcords and Connectors**  
Able to Transmit over 100 W of Optical Power  
Operating Wavelengths from 180 nm to 2000 nm  
PMF, SMF, and MMF High Power AR Coatings



**High Power Collimators/Focusers**  
Up to 100 Watts CW Power Handling  
Available for 180 nm to 2000 nm Wavelengths  
Receptacle and Pigtailed Versions



**High Power Fiber Pigtailed Isolators**  
Low Insertion Loss, up to 100 Watts  
1064 nm Fiber-to-Fiber and Fiber-to-Air Versions  
Polarization Independent, High Isolation



**High Power Directional Taps/Power Monitors**  
Up to 10 Watts Power Handling SM,  
PM and Specialty Fiber Versions  
Available for 320 nm to 2000 nm



**High Power Fiber Optic Shutters with Safety Interlocks**  
Up to 100 Watts Power Handling  
Fiber-Fiber and Source-Fiber Versions  
Available for 180 nm to 2000 nm Wavelengths



**High Power Mode Field Adapters**  
High Power Handling  
Adapts and Conserves Modal Content  
Custom Designs Available



**High Power Bulkhead Receptacles/Sleeve Thru Adapters with Safety Interlocks**  
High Power Handling  
Contact, Temperature, Proximity Sensors  
Fiber to Air and Fiber to Fiber Versions



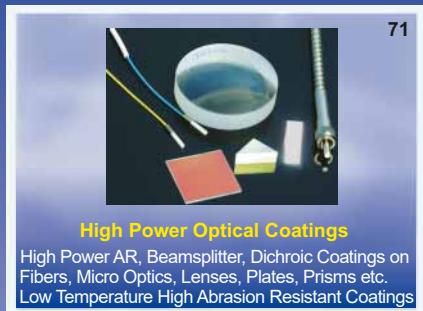
**High Power Wavelength Division Multiplexers**  
0.8 dB Insertion Losses, 65 dB Isolation  
Up to 2 Watt Power Handling  
-40 dB, -50 dB, -60 dB Backreflection



**High Power Free Space Splitters Fiber to Fiber Version**  
Up to 100 Watts Power Handling  
Available Wavelengths from 400 nm to 2000 nm  
MM, SM, PM Fiber Versions



**High Power Free Space Splitters Source to Fiber Type**  
Up to 100 Watts Power Handling  
Available Wavelengths from 400 nm to 2000 nm  
MM, SM, PM Fiber Versions



**High Power Optical Coatings**  
High Power AR, Beamsplitter, Dichroic Coatings on  
Fibers, Micro Optics, Lenses, Plates, Prisms etc.  
Low Temperature High Abrasion Resistant Coatings



**OZPEN CO<sub>2</sub> Cleaning Unit for High Power Components**  
Designed to Clean Small Surfaces  
Superior to Other Cleaning Methods  
Quick Dry and Solvent-Free Cleaning Process



**Fused Fiber Collimators**  
Low Insertion Loss  
Low Backreflection  
Over 1 kW Power Handling



**Bulkhead Receptacles**  
Available for FC, LC, ST, SMA, SC, FC/APC,  
Angled AT&T-ST and Angled SC  
Designed for Free Space Use, Compact Size



**High Power Antireflection (AR) and Highly Reflective (HR) Coated Fiber Ends**  
HR, R > 98%, AR < 0.3%  
350 nm to 2000 nm Wavelength Coatings SMF,  
MMF & PMF Versions



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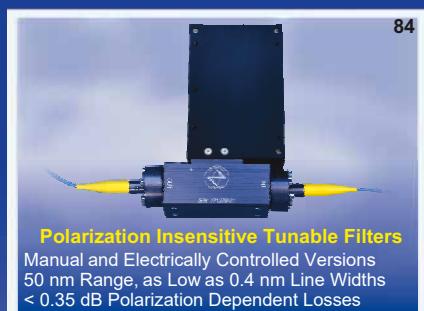
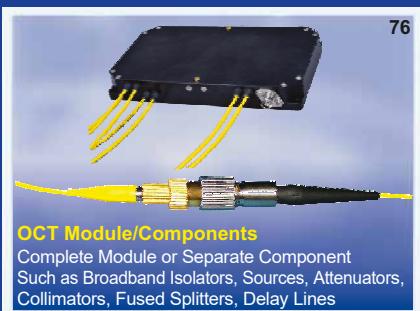


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# Miscellaneous Fiber Optic Components



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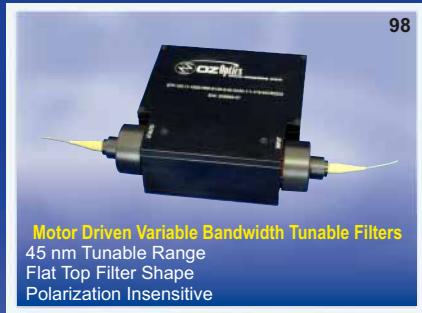
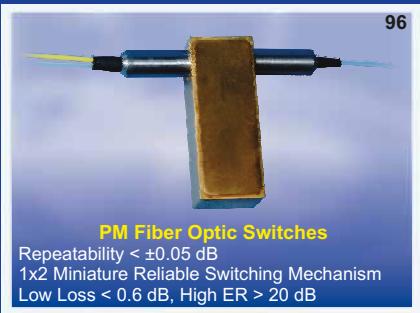
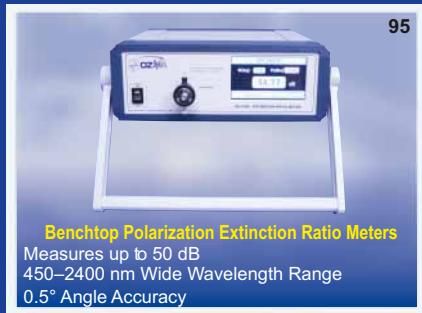


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