OZ Optics Limited

Laser & Laser Diode to Fiber Delivery Components

June 2016



- Company founded in 1985;
- Corporate headquarters located in Ottawa, Canada;
- Manufacturing facility in Ottawa/Canada, Izmir/Turkey, and Jiaxing/China
- Seven Product Groups: Laser-to-Fiber Delivery Systems, High Power Fiber Optic
 Components, Polarization Maintaining Products, Attenuators, Opto-Electronic
 Packaging, Test Equipment, Fiber Optic Sensor Systems
- > Sales offices in Canada, USA, Turkey and China









> Three Product Groups:

Optical Test Fiber Optic Equipment 25% Fiber Optic Sensors Components 70%

- Over 1,000 products
- Leading Edge R&D

OZ Optics Products







OZ Optics Products







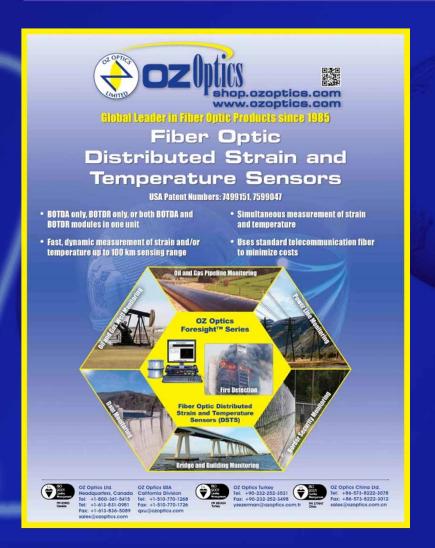
OZ Optics Products

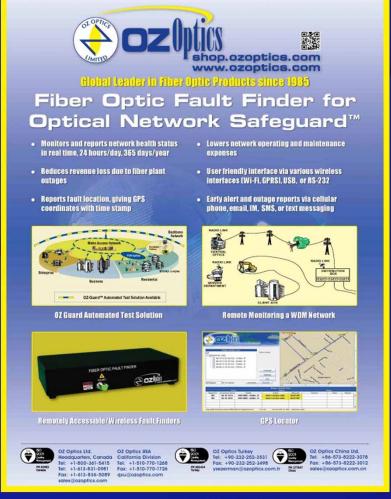






Product Innovation





Product Innovation







Over 470 employees worldwide:

- 260 in Ottawa and US
- 50 in Turkey
- 160 in China

OZ China



OZ Canada





OZ Turkey



OZ Optics is lead by an experienced team:

- Ömür Sezerman, Chairman, President & CEO
 - Founder and CEO since inception (31 years)
- Zahide Sezerman, VP of Human Resources
 - With OZ Optics since inception (31 years)
- **Garland Best, VP of Components Division**
 - 24 years at OZ Optics
- Gordon Youle, VP of Test Equipment Division
 - 17 years at OZ Optics
- Martin Powell, Operation Manager
 - 12 years at OZ Optics
- Sarah Miller, Controller
 - 3 years at OZ Optics
- Metin Sezerman, General Manager of OZ Turkey
 - 15 years at OZ Optics
- Bing Li, General Manager of OZ Optics China
 - 12 years at OZ Optics



- ISO9001:2008 certified
- Broad patent portfolio
- Advanced proprietary processing technology











> Using our strong direct sales and distributors, we address the following markets:



OZ Optics has resellers and distributors in over 30 Countries & Regions and over 10,000 customers globally:



In-House Production Capabilities

- Experienced and well-trained staff in following fields: - optical, mechanical, electronics & software
- **CNC Machine Shop**



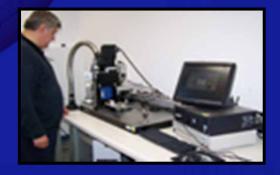
Clean Room



AR Coating



Laser Conditioning/Cleaving



Femtosecond Laser Lab





Branch Network







Facility – Ottawa Headquarters

- 60,000 sq ft. Manufacturing and R&D Facilities
- 15,000 sq ft. Admin, Sales and Marketing
- 15,000 sq ft. Training and Fitness Facility
- R&D, Product Design, Engineering, Final Assembly & QA

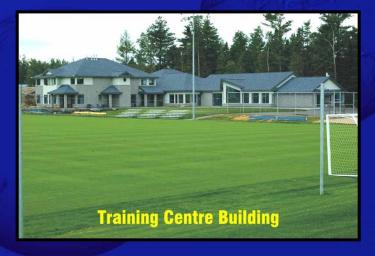






Facility – Ottawa Headquarters









OZ Optics – Turkey Factory

- Operational since 2000
- 33,000 sq ft. Manufacturing Facility
- Located in Free Trade Zone
- Low Tax Rates
- Sub Component Parts Manufacturing
- Cost Effective Manufacturing
- High Quality Labor







OZ Optics China

- Operational since 2009
- Wholly Foreign Owned Enterprise
- **Subcomponent Parts Manufacturing**
- **Cost Effective Manufacturing**
- High Quality Labor
- **Extensive Training** 3-6 months in OZ Canada)









OZ China Facility

Jiaxing, China

- Located in Economic Development Zone
- 500 sq meters Admin, Sales and Marketing
- 1500 sq meters Manufacturing Area
- 100 sq meters Class 10,000 Clean Room
- 100 sq meters ESD Working Area

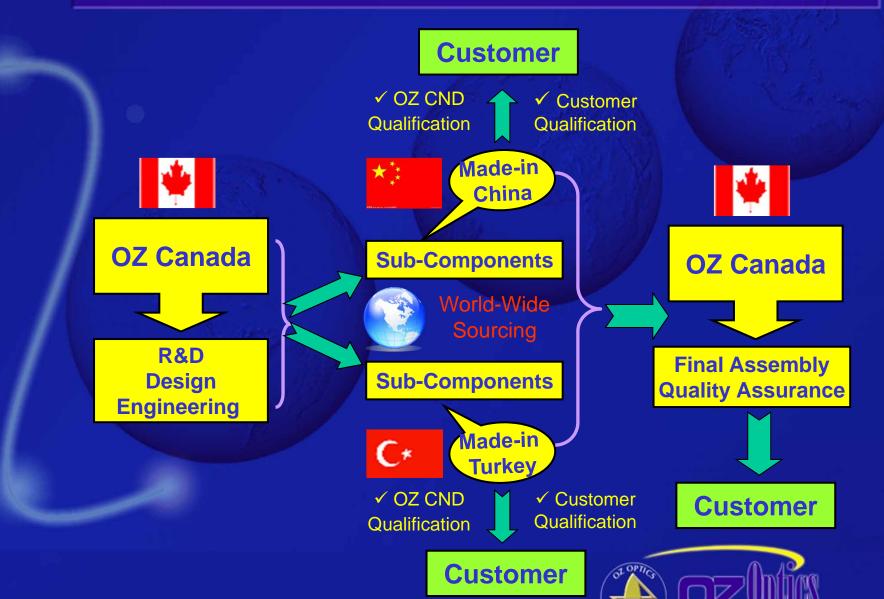








Manufacturing Strategy



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Industry Standards

All products manufactured are in strict accordance with international industry standards:

> Telecordia Compliance



> CE Compliance



RoHS Compliance



- > ISO 9001:2008 Certified (China, Turkey and Canada)
- Controlled Goods Directorate Registered

Core Competencies

- Pioneer in Polarization Maintaining (PM) Components
- Leader in Wavelength Flattened, High Power
 & Low PDL Components
- Leader in High Power Fiber Optic Delivery Systems
- Custom Test Equipment, Including Polarization Test Equipment and FTTH Equipment
- Widest Range in Attenuator Product Offering
- Fiber Optic Distributed Strain and Temperature Sensors
- Complete product line for OCT applications & 2 Micron



Leading Technology



- power handling > 50W
- low loss, low cost turnkey solution



High Power

Collimators/Focusers

Distributed Stain and

Temperature Sensors

Pioneer in Polarization **Maintaining (PM) Components**

- wavelength flattened
- high power & low PDL
- PM test equipment

Fiber Optic Sensor

- fast and simultaneous measurement of strain & temp
- large structure health monitoring

Leader in High Power Fiber Optic Delivery Systems

specializes in custom design



OUR VISION

- Be the preferred Supplier of choice
- Capture and expand market
- Maximize shareholder value



OUR MISSION

To become the leading provider of innovative optical products to telecom and non-telecom sectors

OUR CORE VALUES

- Leadership
- **Teamwork**
- **Boldness**
- Commitment
- Innovation
- Rewards

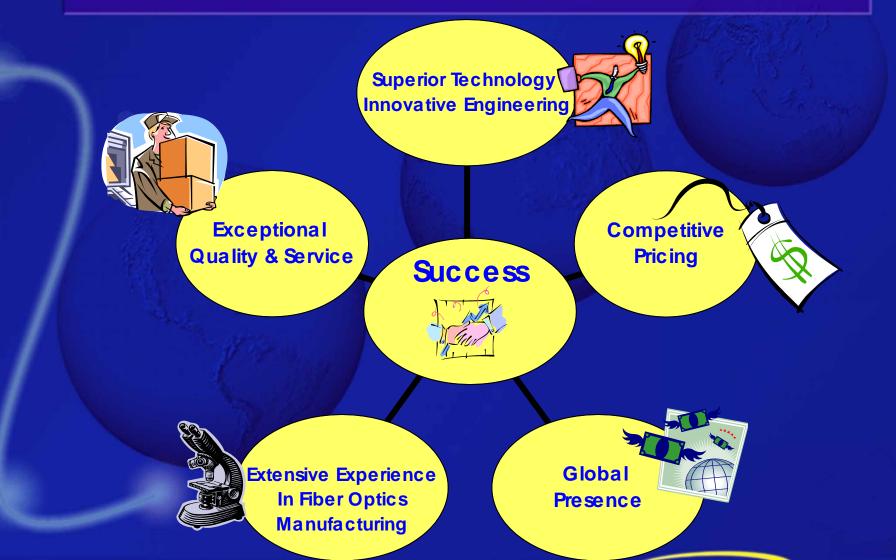
OUR QUALITY POLICY

- **Provide our Customers with a competitive** advantage, leveraging performance, price and delivery, through a continuous process of Quality advancement in all areas of our Company
- Communicate effectively to our Customers, Suppliers and Shareholders our commitment to **Quality and continuous improvement**
- **Promote opportunities of professional** development for all members of our Company through education, training and personal challenge

Ömür Sezerman **President**



Competitive Advantage





Laser & Laser Diode to Fiber Delivery Components

- OZ Optics Provides High Quality, Competitively Priced Fiber Optic Products Based on a Patented Tilt Alignment Technique.
- Our Products Include a Laser to Fiber Coupler with Adjustable Focus which Allows >80% Coupling into a Singlemode Fiber.

Laser & Laser Diode to Fiber Delivery Components

Other Products Include:

- Turnkey Laser Diode to Fiber Delivery System
- High Power Laser to Fiber Couplers with Shutters, Attenuators and/or TE Coolers
- Laser to Fiber Delivery Systems for Flow Visualization
- Fiber Collimators & Focusers
- U-Brackets with Removable Optics
- Laser Diode to Fiber Couplers
- Laser Diode Collimators
- Laser Diode Power Combiners
- Fiber Optic Vacuum Feedthroughs



DTS0049 and DTS0062: Laser to Fiber Coupler with Receptacle (Non-Contact style) and Laser to Fiber Couplers-Pigtail Style

HPUC-23-400/700-P-10AC-11 AND

LPSC-03-780-5/125-P-11AS-14-40-3AF-3-3

- > 60% Coupling Efficiency for SMF & PMF
- Low / High Power Versions >10 W
- 240nm to 2200nm Wavelengths



DTS0049: Laser to Fiber Coupler with Receptacle (Non-Contact style)
HPUC-23-400/700-P-10AC-11

- > 60% Coupling Efficiency for SMF & PMF
- Low / High Power Versions >10W
- 240nm to 2200 nm Wavelengths



DTS0049 and DTS0062: Laser to Fiber Coupler with Receptacle and Polarization Rotators/Analyzers HPUC-23AF-633-P-3.5AC-15-POL

- > 60% Coupling Efficiency for SMF & PMF
- Low / High Power Versions >10W
- 240nm to 2200 nm Wavelengths



DTS0095: Beam Splitters/Combiners

ULBS-12P-4/125-PP-633-90/10-3.9AS-20-40-3AF3AF-3-1

- > 60% Coupling Efficiency for SMF & PMF
- Low / High Power Versions >10W
- 240nm to 2200 nm Wavelengths

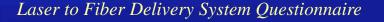


Laser to Fiber Couplers with Adjustable Focus

DTS0047: Laser to fiber Coupler with Adjustable Focus
HPUC-2,A3A-400/700-P-3.5AC-1 and QPMJ-A3A,3S-488-3.5/125-3AS-2-1

- > 80% Coupling Efficiency for SMF & PMF
- SMF, MMF & PMF Versions
- 0.1 Micron Resolution in Focus Adjustment







Laser to Fiber Couplers with Adjustable Focus

DTS0047: Laser to fiber Coupler with Adjustable Focus

HPUC-2,A3A-400/700-P-3.5AC-1 and QPMJ-A3A,3S-488-3.5/125-3AS-2-1

- > 80% Coupling Efficiency for SMF & PMF
- SMF, MMF & PMF Versions
- 0.1 Micron Resolution in Focus Adjustment



Adjustable Fiber Connectors

DTS0047: Laser to fiber Coupler with Adjustable Focus

HPUC-2,A3A-400/700-P-3.5AC-1 and QPMJ-A3A,3S-488-3.5/125-3AS-2-1

- Use For Adjustable Focusers & Couplers
- Super & Angled NTT-FC/PC Compatible
- SMF, MMF & PMF Versions

Laser to Fiber Delivery System Questionnaire



- with Electrically Controlled Attenuators

DTS0048: Laser to fiber Coupler with Attenuator or Shutter HPUC-23AF-P-633-3.9AS-CLH-DD-485:1-6-MC/RS232

- > 60% Coupling Efficiency for SMF & PMF
- 60dB Attenuation Range
- 0.5dB Accuracy, 0.01dB Resolution





Laser to Fiber Couplers with Shutters

DTS0048: Laser to fiber Coupler with Attenuator or Shutter HPUC-23AF-633-P-3.9AS-15-SH

- > 60% Coupling Efficiency for SMF & PMF
- Up to 3 Watts Optical Power Handling
- Ideal for Safety Interlocks, Remote Control

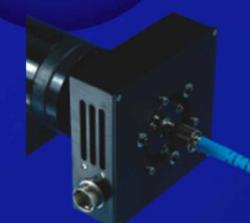


Laser to Fiber Couplers with TE Cooler

DTS0039: High Power Laser to Fiber Couplers with Temp. Control

HPUC-25-1064-M-50PQ-2-TE-DR-PS

- >10 Watts CW Power Handling
- 0.1°C Temperature Control
- SMF, MMF & PMF Versions



Pigtail Style Collimators / Focusers

DTS0060: Collimators/Focusers - Pigtail Style LPC-03-1550-8/125-P-0.44-2AS-40-3A-3-2 and LPF-01-1550-8/125-P-3-19.4-5AS-60-3A-3-1

- As Small as 2µm Spot Sizes, Up to 5W Power
- Up to -60dB Backreflection SMF, PMF & MMF
- 1.6mm, 2.5mm, 4mm, 8mm & 12mm OD Housing
- 240 nm 2200 nm



Receptacle Style Collimator / Focusers

DTS0094: Collimators and Focusers – Receptacle Style HPUCO-23-400/700-P-50AC and HPUFO-23-633-S-7-47-6.2AS

- 0.2mm to > 15mm Beam Diameters
- 240nm to 2200nm Wavelengths
- Achromatic Collimators Available



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Receptacle Style Collimator / Focusers

DTS0094: Collimators and Focusers – Receptacle Style HPUCO-T,3-400/700-M-3.5AC and HPUFO-23-633-S-7-47-6.2AS

- 0.2mm to > 15mm Beam Diameters
- 240nm to 2200nm Wavelengths
- Achromatic Collimators Available



Delivery Systems for Flow Visualization

DTS0014: Delivery System for Flow Visualization – Fiber Optic HPUC...+ FMJ...+ FOLM...

- Uniform Intensity along the Line
- Up to 1mm Linewidths, 10° to 60° Fan Angles
- Cross Targets also available



Cross Target Generators

DTS0014: Delivery System for Flow Visualization – Fiber Optic FOLM-23-400/700-S-3.5AC-45

- Up to 1mm Line Widths
- Low / High Power Versions
- 400nm To 700nm Wavelengths



U-Brackets with Removable Optics

DTS0022: U-Bracket Assembly – Fiber Optic UB-01-33-1550-S-3.03

- As Good as 0.6dB Insertion Loss (pigtail style)
- -40, -50, -60dB Backreflection
- Use With A/O Modulators, Bulk Optics



OEM Laser Diode to Fiber Couplers

DTS0063: Laser Diode to Fiber Coupler – Pigtail Style LDPC-01-635-4/125-s-40-3S-3-1-35-5LD

- 375nm to 2050nm Wavelengths
- > 20% Coupling into SMF, to > 60%
- Low Cost, Rugged & Compact Size



OEM Laser Diode to Fiber Couplers

DTS0045: Laser Diode to Fiber Couplers

HULD-13-635-S-30-7LD

- 375nm to 2050nm Wavelengths
- > 20% Coupling into SMF
- Low Cost, Rugged & Compact Size



OEM Laser Diode to Fiber Couplers

DTS0063: Laser Diode to Fiber Coupler – Pigtail Style LDPC-05-635-4/125-S-40-3S-3-1-20-7LD-DR

- 375nm to 2050nm Wavelengths
- > 20% Coupling into SMF
- Low Cost, Rugged & Compact Size



Lab Style Laser to Fiber Couplers

DTS0045: Laser Diode to Fiber Couplers LDPC-05-635-4/125-S-40-3S-3-1-20-7LD-DR

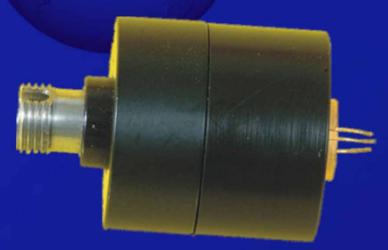
- 375nm to 2050nm Wavelengths
- Up to 50% Coupling Efficiency into SMF & PMF
- PC Board Mountable, Reusable Optics



Lab Style Laser to Fiber Couplers

DTS0045: Laser Diode to Fiber Couplers LDPC-05-635-4/125-S-40-3S-3-1-20-7LD-DR

- 375nm to 2050nm Wavelengths
- Up to 50% Coupling Efficiency into SMF & PMF
- PC Board Mountable, Reusable Optics



TE Controlled Laser Diode Housings

DTS0024: Fiber Pigtailed Temperature Controlled Laser Diode Housing LDPC-T1-780-5/125-P-40-3A-3-1-40-1-CSP

- 0.01dB Output Stability. SMF, PMF & MMF
- Built-In Temperature Sensor
- 0.1°C Temperature Control





Laser Diode Collimators

DTS0043: Laser Diode Collimators HULDO-41-1310-2AS-PO-SP

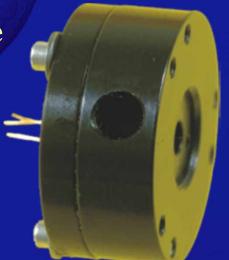
- 0.6mm to 4.9mm Beam Diameters
- Adjustable Lens can be Used as Focusers
- Low Cost, Rugged & Compact Size



Laser Diode Collimators

DTS0043: Laser Diode Collimators HULDO-11-670-2AS-5LD

- 0.6mm to 4.9mm Beam Diameters
- Adjustable Lens can be Used as Focusers
- Low Cost, Rugged & Compact Size



Laser Diode Power Combiners

DTS0044: Laser Diode Power Combiner ULBS-11P-4/125-P-660/690-PBS-40-3S-3-1-SP

- Up to 45% Coupling from Each Diode
- -40, -50, -60dB Backreflection SMF, PMF & MMF
- Can Combine Equal / Different Wavelengths



Turnkey Free Space or Fiber Pigtailed Laser Diode Modules

DTS0081: Turnkey, Ultra Stable, OEM LD Source OZ-1000 & OZ-2000 Series OZ-2000-405-3/125-S-40-3S-3A-1-1

- Wide Wavelength range 375nm 2050nm
- SM, MM, PM Fiber pigtailed with collimators
- Receptacle versions are also available





Turnkey Free Space or Fiber Pigtailed Laser Diode Modules

DTS0081: Turnkey, Ultra Stable, OEM LD Source OZ-1000 & OZ-2000 Series OZ-2000-405-3/125-S-40-3S-3A-1-1

- Wide Wavelength range 375nm 2050nm
- SM, MM, PM Fiber pigtailed with collimators
- Receptacle versions are also available





DTS0025: Fiber to Photodiode Couplers
FPD-05-400/1000-M-PD and PFPD-11-635-50/125-M-25-3-1-0.15-CSP-SP1

- > 70% Coupling Efficiency, SMF, MMF & PMF
- -40dB, -50dB, -60dB Backreflection
- Low Cost, Rugged & Compact Size





DTS0025: Fiber to Photodiode Couplers FPD-05-400/1000-M-PD and PFPD-11-635-50/125-M-25-3-1-0.15-CSP-SP1

- > 70% Coupling Efficiency, SMF, MMF & PMF
- -40dB, -50dB, -60dB Backreflection
- Low Cost, Rugged & Compact Size



DTS0025: Fiber to Photodiode Couplers FPD-35-635-M-PD

- > 70% Coupling Efficiency, SMF, MMF & PMF
- -40dB, -50dB, -60dB Backreflection
- Low Cost, Rugged & Compact Size



DTS0025: Fiber to Photodiode Couplers FPD-35-635-M-PD

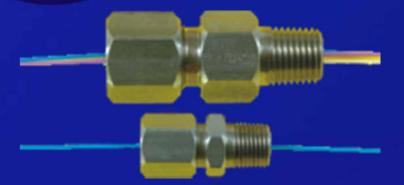
- > 70% Coupling Efficiency, SMF, MMF & PMF
- -40dB, -50dB, -60dB Backreflection
- Low Cost, Rugged & Compact Size



Premetrating Vacuum Feedthroughs

DTS0023: Vacuum Pressure Feedthrough – Fiber Optic VAC-01-V-SMJ-3A3A-1300/1550-9/125-1-1.5

- No Intrinsic Insertion Loss or Backreflection
- Low Cost, Rugged & Compact Size
- Gas Leak Rate 10⁻⁶ sec/sec



Vacuum Feedthroughs – Receptacle Style

DTS0023: Vacuum Pressure Feedthrough – Fiber Optic VAC-3S3S-IRVIS-105/125-M

- Singlemode & Multimode Versions
- Easy to Install & Use. Compact & Rugged
- Gas Leak Rate 10⁻⁶ scc/sec



Vacuum Feedthroughs - Receptacle Style

DTS0023: Vacuum Pressure Feedthrough – Fiber Optic VAC-3S3S-IRVIS-105/125-M

- Singlemode & Multimode Versions
- Easy to Install & Use. Compact & Rugged
- Gas Leak Rate 10⁻⁶ scc/sec



DTS0037: High Power Fiber Optic Patchcords *OMMJ-5HP5HP-UVVIS-200/240-3AS-4 QSMJ-A3HP,3S-320-2/125-3A-2* OPMJ-A3HPM,3S-488-3.5/125-3-5-1

- MMF, SMF & PMF Versions
- Armored Cable Available for Safety
- UV to Far Infrared Wavelengths
- Adjustable connector combination for extra flexibility





DTS0037: High Power Fiber Optic Patchcords OMMJ-A3AHP,2F-UVVIS-100/140-3-10 *OMMJ-A3AHPM,3AF-IRVIS-50/125-3-2* OMMJ-A3AHPC,X-IRVIS-20/125-5AS-1-AR-CSP OMMJ-A5HPL,5HPL-UVVIS-200/240-5AS-5

Versions Offered:

- HP:- High Power Polish, Air Gap connector
- HPM: High Power Mechanical Cleave, Air Gap connector
- HPC: High Power Coreless Fiber End Cap, Air Gap connector
- HPL: High Power Laser Treated Endface, Air Gap connector





DTS0037: High Power Fiber Optic Patchcords OMMJ-A3AHP,2F-UVVIS-100/140-3-10 *OMMJ-A3AHPM,3AF-IRVIS-50/125-3-2* OMMJ-A3AHPC,X-IRVIS-20/125-5AS-1-AR-CSP OMMJ-A5HPL,5HPL-UVVIS-200/240-5AS-5

Versions Offered:

- HP:- High Power Polish, Air Gap connector
- HPM: High Power Mechanical Cleave, Air Gap connector
- HPC: High Power Coreless Fiber End Cap, Air Gap connector
- HPL: High Power Laser Treated Endface, Air Gap connector





DTS0037: High Power Fiber Optic Patchcords OMMJ-A3AHP,2F-UVVIS-100/140-3-10 *OMMJ-A3AHPM,3AF-IRVIS-50/125-3-2* OMMJ-A3AHPC,X-IRVIS-20/125-5AS-1-AR-CSP OMMJ-A5HPL,5HPL-UVVIS-200/240-5AS-5

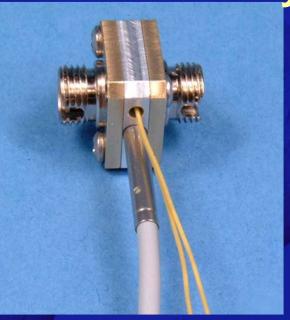
Versions Offered:

- HP:- High Power Polish, Air Gap connector
- HPM: High Power Mechanical Cleave, Air Gap connector
- HPC: High Power Coreless Fiber End Cap, Air Gap connector
- HPL: High Power Laser Treated Endface, Air Gap connector





- Multiple Watts CW Power Handling
- •Temperature, Contact or Proximity Sensors for Safety Interlock
- SMA 905 or FC Receptacles



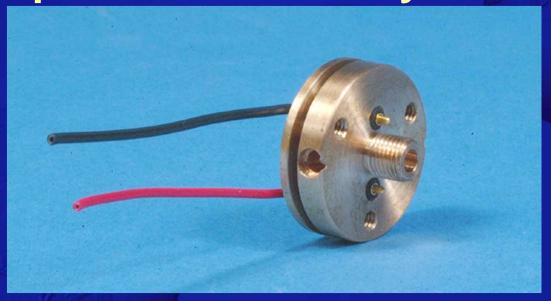
- Multiple Watts CW Power Handling
- •Temperature, Contact or Proximity Sensors for Safety Interlock
- SMA 905 or FC Receptacles



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- Multiple Watts CW Power Handling
- •Temperature, Contact or Proximity Sensors for Safety Interlock
- SMA 905 or FC Receptacles



- Multiple Watts CW Power Handling
- Response Speed of < 30 ms
- Temperature, Contact or Proximity Sensors for Safety Interlock
- SMA 905 or FC Receptacles

High Power Shutters/Bulkhead Receptacles With Safety Interlocks



- Multiple Watts CW Power Handling
- Response Speed of < 30 ms
- Temperature, Contact or Proximity Sensors for Safety Interlock
- SMA 905 or FC Receptacles

Hybrid Patchcords

DTS0082: Universal Connectors and Hybrid Patchcords AA-200-11-9/125-3A3S

- Angled, Super, Ultra, FC/PC, ST, SC Connectors
- Male to Male, Male to Female Versions
- Low Cost, Rugged & Compact Size



Universal Connectors

DTS0082: Universal Connectors and Hybrid Patchcords AA-200-11-9/125-3S3A AA-200-3SC

- Less than 0.5dB Insertion Loss
- Ultra, Super, Angled FC/PC, LC, SC, ST & SMA
- Low Cost, Rugged & Compact Size



Sleeve Thru Adaptors

DTS0004: Connectors, Patchcords, Bulkhead Receptacles & Sleeve Thru Adaptors SMC-03 and PMC-03

HLPC-SMA/M

- Available for FC, ST, SMA, SC & LC
- Less that 0.3dB Insertion Losses
- Patch Panel Mountable, Duplex Styles



Bare Fiber Adaptors

DTS0003: Bare Fiber Adaptors BARE-03-82

- Use to Hold Bare Fibers
- FC, SC, ST, SMA Connectors Available with Standard and Magnetic Clips versions.
- Reusable, Inexpensive





Bulkhead Receptacles

DTS0004: Connectors, Patchcords, Bulkhead Receptacles & Sleeve Thru Adaptors HLPC-NTT/FC-PM HLPC-ATT/ST-SM

- •Available for FC, ST, SMA, SC, Angled FC/PC
- •Angled AT&T-ST & Angled SC
- Designed for Free Space Use, Compact Size















Fused Fiber Optic Couplers

DTS0033: Fused Couplers – Fiber Optic FUSED-14-532-3.5/125-25/25/25/25-3A3A3A3A3A-1-0.5-SP

- 1x2, 2x2 & 1xN Couplers Available
- 0.5dB Typical Insertion Losses, SMF & MMF
- 488nm to 2050nm Wavelengths



Fused Fiber Optic Couplers

DTS0033: Fused Couplers – Fiber Optic FUSED-14-532-3.5/125-25/25/25/25-3A3A3A3A3A-1-0.5-SP

- 1x2, 2x2 & 1xN Couplers Available
- 0.5dB Typical Insertion Losses, SMF & MMF
- 488nm to 2050nm Wavelengths



Fused Fiber Optic Couplers

DTS0033: Fused Couplers - Fiber Optic FUSED-14-532-3.5/125-25/25/25/25-3A3A3A3A3A-1-0.5-SP

- 1x2, 2x2 & 1xN Couplers Available
- 0.5dB Typical Insertion Losses, SMF & MMF
- 488nm to 2050nm Wavelengths



Ffused Fiber Optic Couplers

DTS0033: Fused Couplers - Fiber Optic FUSED-14-532-3.5/125-25/25/25/25-3A3A3A3A3A-1-0.5-SP

- 1x2, 2x2 & 1xN Couplers Available
- 0.5dB Typical Insertion Losses, SMF & MMF
- 488nm to 2050nm Wavelengths



DTS0016: Isolators – Fiber Optic FOPI-21-11-1550-9/125-S-50-3A3A-1-1-55

- ≤ 0.8dB IL, As Good as 60dB Isolation
- -40dB, -50dB, -60dB Backreflection SMF & PMF
- 633nm to 2050nm Wavelengths



DTS0016: Isolators - Fiber Optic FOI-11-11-1064-6/125-P-40-3A3A-1-1-30-HP

- •≤ 0.8dB IL, As Good as 60dB Isolation
- -40dB, -50dB, -60dB Backreflection SMF & PMF
- 633nm to 2050nm Wavelengths



DTS0016: Isolators – Fiber Optic FOI-11-11-850-6/125-S-40-3A3A-1-1-30

- ≤ 0.8dB IL, As Good as 60dB Isolation
- -40dB, -50dB, -60dB Backreflection SMF & PMF
- 633nm to 2050nm Wavelengths



DTS0016: Isolators - Fiber Optic FOI-11-11-850-6/125-S-40-3A3A-1-1-30

- < 0.8dB IL, As Good as 60dB Isolation
- -40dB, -50dB, -60dB Backreflection SMF & PMF
- 633nm to 2050nm Wavelengths



DTS0016: Isolators - Fiber Optic FOI-11-11-850-6/125-S-40-3A3A-1-1-30

- •< 0.8dB IL, As Good as 60dB Isolation
- -40dB, -50dB, -60dB Backreflection SMF & PMF
- 633nm to 2050nm Wavelengths



DTS0016: Isolators - Fiber Optic FOI-11-11-850-6/125-S-40-3A3A-1-1-30

- •< 0.8dB IL, As Good as 60dB Isolation
- -40dB, -50dB, -60dB Backreflection SMF & PMF
- 633nm to 2050nm Wavelengths



Wave Division Multiplexers

DTS0089: Wave division Multiplexers
WDM-13P-1111-405/532/650-3.5/125-SSSS-40-3A3A3A3A-3-1

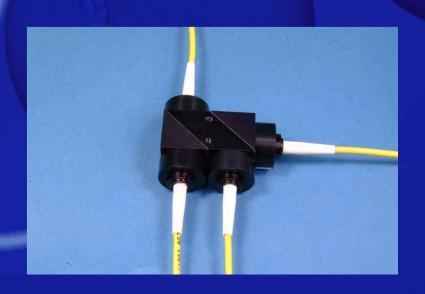
- 0.8dB Insertion Losses, 65dB Isolation
- Up to 2 Watt Power Handling
- -40dB, -50dB, -60dB Backreflection



Wave Division Multiplexers

DTS0089: Wave division Multiplexers WDM-13P-1111-405/532/650-3.5/125-SSSS-40-3A3A3A3A-3-1

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- -40dB, -50dB, -60dB Backreflection



RGB Wave Division Multiplexers and Delivery Systems

DTS0089 and DTS0117: Wave division Multiplexers, White Light (RGB Laser Sources) WDM-14-33333-690/750/797/847-50/125-MMMMM RGB-100-442/532/635-3.5/125-P-3A-3AS-1-15

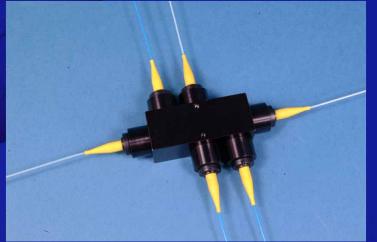
- Combines Red/Green/Blue Visible Wavelengths
- Two, Three, and Four Wavelength Versions
- MM, SM and PM Fiber Versions



RGB Wave Division Multiplexers and Delivery Systems

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- Combines Red/Green/Blue Visible Wavelengths
- Two, Three, and Four Wavelength Versions
- MM, SM and PM Fiber Versions



Gold / AR / HR Coated Fiber Ends

DTS0020: Reflectors- Fiber Optic (Fixed or Variable)

FORF-11P-1300/1550-9/125-S-3S-3A-1 FORF-31P-1550-50/125-M-X-1-1-HR

- Gold Over 96%, AR: < 0.1% Reflection Levels
- High reflection coating >99% reflection
- 700nm To 2000nm Wavelengths
- SMF, MMF & PMF Versions



Variable Fiber Reflectors

DTS0020: Reflectors- Fiber Optic (Fixed or Variable) FORF-21P-1550-9/125-S-60-50-3A3A-3-1

- Used for Backreflection Measurements
- 0.6dB Typical Insertion Losses, SMF, MMF & PMF
- Available from 400nm to 2200nm



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Fiber Optic Filters

DTS0031: Fixed and Removable Filters FF-11-1064-6/125-P-40-XX-3-1-1.4-HP2 FF-21-1550-8/125-P-50-3U3U-1-2-200GHz

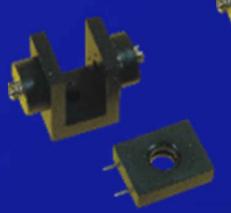
- 400nm to 2200nm Wavelengths, SMF, PMF & MMF
- -40dB, -50dB, -60dB Backreflection
- Filters Can Be Fixed or Removable



Fiber Optic Filters

DTS0031: Fixed and Removable Filters FF-11-852-5/125-S-40-3S3S-3-1-1.2 RFF-11-1064-6/125-P-40-XX-1-1-CSP-HP

- 400nm to 2200nm Wavelengths, SMF, PMF & **MMF**
- -40dB, -50dB, -60dB Backreflection
- Filters Can Be Fixed or Removable





Fiber Optic Educational Kits

DTS0015: Educational Kits - Fiber Optic FOEK-03-1,2,3,4,5-633-M-11-NTSC

- Teaches Basics of Fiber Optics
- Easy to use, Affordable
- Wide Range of Labs Available





Fiber Optic Termination Kits

DTS0021: Termination Kits - Fiber Optic OFOC-01-FC/SC/ST UNIVERSAL

- For FC, ST, SMA or SC Connectors
- Contains all the necessary Polishing Films,

Tools, Epoxies & Accessories



Alignment Kits and Tools

DTS0097: Alignment Tools and Kits START-03AF-DVD-UVVIS

- Simplify Alignment of Laser to fiber Couplers
- Available with video instructions in NTSC, PAL, or DVD formats.

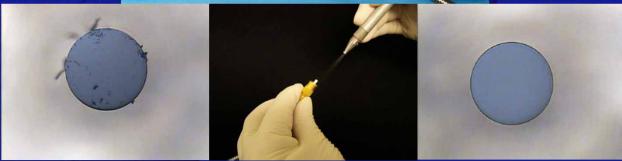
• Polarization Alignment Tool Simplifies Polarization Alignment





OZPENTM CO₂ Fiber Optic Cleaning Unit





- Superior removal of contaminants on fiber optics and other components
- Quick and dry solvent free cleaning process
- Cleans variety of substrates
- Designed to clean small surface area
- Ideal for high power applications



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Thank You for Choosing OZ!

