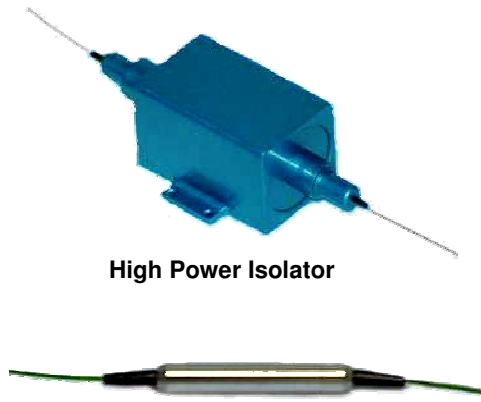


# Optical Passive Components



High Power Isolator



1 x 2 Coupler



Broadband Coupler



Filter



Isolator

## WIDE RANGE OF PASSIVE COMPONENTS AND MODULES

- PM Products
- High Power Products
- Isolators
- Couplers
- Collimators
- Filters
- Multimode Products
- 1064nm Series
- Hybrid Products

## APPLICATIONS

- Optical Communication Systems
- Fiber-optic CATV Systems
- FTTX PON Systems
- Fiber Laser Solutions
- Fiber Optical Sensors
- Optical Biomedical Diagnostics Systems

## Optical Passive Components

### Product Description

DenseLight offers a comprehensive line of optical passive components. These components range from SM fiber, PM fiber and Multimode fiber; and include isolators, couplers, filters, and collimator, etc. They serve wide application areas, such as fiber optic sensors, fiber optical communications, CATV, FTTx systems, biomedical, fiber lasers and instrumentation, etc.

### Customization Capability

Besides standard product offering, we also support product customization to meet specific requirements. If you need any special components, ask DenseLight.

### Product Quality and Reliability

DenseLight's operation system is ISO 9001 certified, hence ensuring product quality. Organization-wide, systematic effort is in place for continual quality improvement.

PM Products		
Product code	Description	Applications
DL-PCPMFCM-TT-UUUU-VV-W-X-Y-Z-(1x3)	Polarization Maintaining Filter Coupler Module (1x3)	Fiber sensors, amplifiers, lasers, etc
DL-PCPMFCM-TT-UUUU-VV-W-X-Y-Z-(1x4/1x8)	Polarization Maintaining Filter Coupler Module (1x4/1x8)	Fiber sensors, amplifiers, lasers, etc
DL-PCDPMCIR-VV-W-X-Y-Z	2x2 Polarization Maintaining Optical Circulator	High isolation, low insertion loss, high extinction ratio, & excellent environment stability
DL-PCILF-VV-W-X-Y-Z	In-line Faraday Rotator	Sensors, Amplifiers, Sensors, etc
DL-PCILP-VV-W-X-Y-Z	In-line Polarizer	High speed communication systems & test instrumentations
DL-PCPMCIR-VV-W-X-Y-Z	Polarization Maintaining Optical Circulator	High isolation, low insertion loss, high extinction ratio, & excellent environment stability
DL-PCPMDWDM-V-WW-X-Y-Z	Polarization Maintaining Dense Wavelength Division Multiplexer	DWDM systems & fiber sensor systems, etc
DL-PCPMFC-TT-U-VV-W-X-Y-Z-B	Polarization Maintaining Filter Coupler	Splitting of Input Signal at Various Ratios with High Extinction Ratio
DL-PCPMFM-WW-X-Y-Z	Polarization Maintaining Faraday Mirror	Amplifiers, fiber lasers & fiber instruments
DL-PCPMFTI-S-TT-UU-V-W-X-Y-Z	Polarization Maintaining Filter Tap Isolator	Fiber amplifier, & fiber optic system (Signal Monitoring)
DL-PCPMFWM-WWWW-X-Y-Z	Polarization Maintaining Filter Wavelength Division Multiplexer	High speed WDM network systems
DL-PCPMI-T-UU-V-W-X-Y-Z	Polarization Maintaining Isolator	Polarization maintaining fiber amplifiers, fiber lasers, high speed communication systems and instrumentation applications
DL-PCPMIWDWDM-SS-T-U-V-W-X-Y-Z	Polarization Maintaining Isolator/Wavelength Division Multiplexer Hybrid	Fiber amplifier application
DL-PCPMT-C-SS-T-UU-V-W-X-Y-Z	Polarization Maintaining Tap Coupler	Splitting of Input Signal at Various Ratios with High Extinction Ratio
DL-PCPMTI-S-TT-UU-V-W-X-Y-Z	Polarization Maintaining Tap Isolator	Fiber amplifier & fiber optic system (Signal Monitoring)
DL-PCFP-S-TTTT-U-V-W-XX-Y-Z	Fiber Pigtail	Optical Components
DL-PCPMFP-R-S-T-U-V-W-XX-Y-Z	Polarization Maintaining Fiber Pigtail	PM fiber optic components
DL-PCPMP-UU-V-WW-X-Y-Z	Polarization Maintaining Fiber Connector/Patchcord	PM amplifiers, fiber lasers & test instrumentations

Hybrid Products		
Product code	Description	Applications
DL-PCIWDM-T-U-V-W-X-Y-Z	Isolator/Filter Wavelength Division Multiplexer Hybrid 1310/1550 or 1480/1550	1310/1550 WDM network & line monitoring applications, 1480/1550 device is ideal for fiber amplifier
DL-PCIWDM-98-U-V-W-X-Y-Z	Isolator/Filter Wavelength Division Multiplexer Hybrid 980/1550nm	Fiber amplifier
DL-PCMTPI-T-UU-V-W-X-Y-Z	Mini 2-in-1 Polarization Insensitive Isolator	EDFAs or instrumentation designs
DL-PCTAPI-T-UU-VV-W-X-Y-Z	Polarization Insensitive Tap Isolator	Fiber amplifier & fiber optic system (Signal Monitoring)
DL-PCTIWDWDM-T-U-V-W-X-Y-Z	Tap Isolator/Filter Wavelength Division Multiplexer Hybrid	Fiber amplifier

### High Power Products

Product code	Description	Applications
DL-PCHI1-UU-V-W-X-Y-Z-P	1064nm High Power Polarization Insensitive Isolator for Pulse Application (1W)	Fiber laser & Instrumentation
DL-PCHI1-VV-W-X-Y-Z	1064nm High Power Polarization Insensitive Isolator (1W)	Fiber laser & Instrumentation
DL-PCHI3-VV-W-X-Y-Z-P	1064nm High Power Polarization Insensitive Isolator for Pulse Application (3W)	Fiber laser & Instrumentation
DL-PCHI3-VV-W-X-Y-Z	1064nm High Power Polarization Insensitive Isolator (3W)	Fiber laser & Instrumentation
DL-PCHI10-VV-W-X-Y-Z-P	1064nm High Power Polarization Insensitive Isolator for Pulse Application (10W)	Fiber laser & Instrumentation
DL-PCHI10-VV-W-X-Y-Z	1064nm High Power Polarization Insensitive Isolator (10W)	Fiber laser & Instrumentation
DL-PCHI500-VV-W-X-Y-Z-P	1064nm High Power Polarization Insensitive Isolator for Pulse Application (500mW)	Fiber laser & Instrumentation
DL-PCHI500-VV-W-X-Y-Z	1064nm High Power Polarization Insensitive Isolator (500mW)	Fiber laser & Instrumentation
DL-PCHPMI1-UU-V-W-X-Y-Z-P	1064nm High Power Polarization Maintaining Isolator for Pulse Application (1W)	Fiber laser & Instrumentation
DL-PCHPMI1-UU-V-W-X-Y-Z	1064nm High Power Polarization Maintaining Isolator	Fiber laser & Instrumentation
DL-PCHPMI3-UU-V-W-X-Y-Z-P	1064nm High Power Polarization Maintaining Isolator for Pulse Application (3W)	Fiber laser & Instrumentation
DL-PCHPMI3-UU-V-W-X-Y-Z	1064nm High Power Polarization Maintaining Isolator (3W)	Fiber laser & Instrumentation
DL-PCHPMI10-UU-V-W-X-Y-Z-P	1064nm High Power Polarization Maintaining Isolator for Pulse Application (10W)	Fiber laser & Instrumentation
DL-PCHPMI10-UU-V-W-X-Y-Z	1064nm High Power Polarization Maintaining Isolator (10W)	Fiber laser & Instrumentation
DL-PCHPMI500-UU-V-W-X-Y-Z-P	1064nm High Power Polarization Maintaining Isolator for Pulse Application (500mW)	Fiber laser & Instrumentation
DL-PCHPMI500-UU-V-W-X-Y-Z	1064nm High Power Polarization Maintaining Isolator (500mW)	Fiber laser & Instrumentation

### Isolators

Product code	Description	Applications
DL-PCFSI-X-YY-Z	Free Space Isolator	Laser Diode
DL-PCIC-W-XX-Y-Z	Polarization Independent Isolator Core	In-line fiber optic isolator, etc
DL-PCMPI-T-UU-V-W-X-Y-Z	Mini Polarization Insensitive Isolator	For Smaller size, Smaller Packaging Devices
DL-PCMTPI-T-UU-V-W-X-Y-Z	Mini 2-in-1 Polarization Insensitive Isolator	EDFAs or instrumentation designs
DL-PCPQSI-UU-V-W-X-Y-Z	Polarization Insensitive Isolator	EDFAs, Raman amplifiers, DWDM systems, fiber lasers, transmitters & other fiber optics communication equipments

### Couplers

Product code	Description	Applications
DL-PCSBBC-T-U-VV-WW-X-Y-Z	Single Mode Broadband Coupler	Power splitting & monitoring functions
DL-PCSBTC-TTTT-UU-VV-W-X-Y-Z	Single Mode Broadband Tree Coupler Module SBTC-MxN (M:1 or 2)	Split & mix optical signals in CATV, LANs, Other Communication Systems
DL-PCSDC-T-U-VV-WW-X-Y-Z	Single Mode Dual Window Wavelength Flattened Coupler	Power splitting & monitoring functions
DL-PCSDTC-TTTT-UUUU-VV-W-X-Y-Z	Single Mode Dual Window Tree Coupler Module SDTC - MxN	Split & mix optical signals in CATV, LANs, Other Communication Systems
DL-PCSMC-T-UU-VV-W-X-Y-Z	Single Mode Coupler 980 or 1060nm	Split & mix optical signals in CATV, LANs, Other Communication Systems
DL-PCWDM-U-VVVV-W-X-Y-Z	Single Mode Wavelength Division Multiplexer (1310/1550,1480/1550)	EDFA, CATV, WDM networks & fiber optics instrumentation
DL-PCWDM-T-UUUU-V-W-X-Y-Z-9806	Single Mode Wavelength Division Multiplexer (980/1060)	EDFA, CATV, WDM networks & fiber optics instrumentation
DL-PCWDM-T-UUUU-V-W-X-Y-Z-9855	Single Mode Wavelength Division Multiplexer (980/1550)	EDFA, CATV, WDM networks & fiber optics instrumentation

### Collimators

Product code	Description	Applications
DL-PCC-R-S-T-U-V-W-X-Y-Z-1064	1064nm Fiber Collimator	In-line fiber optics components, such as isolator and WDM
DL-PCPMC-Q-R-SS-T-U-V-W-X-Y-Z-1064	1064nm Polarization Maintaining Fiber Collimator	PM fiber optics components, such as PM isolator, & PM FWDM
DL-PCC-R-S-T-U-V-W-X-Y-Z	Fiber Collimator	In-line fiber optics components, such as isolator & DWDM
DL-PCPMC-Q-R-SS-T-U-V-W-X-Y-Z	Polarization Maintaining Fiber Collimator	PM fiber optics components, such as PM isolator, & PM FWDM

1064nm Series		
Product code	Description	Applications
DL-PCFCIR-VV-W-X-Y-Z	1064nm Polarization Insensitive Optical Circulator	Provides High isolation, low insertion loss, low PDL, low PMD & excellent environmental stability
DL-PCFM-WW-X-Y-Z	1064nm Faraday Mirror	EDFAs, fiber lasers & fiber instruments
DL-PCFSI-X-YY-Z	1064nm Free Space Isolator	Integration within Laser Diode
DL-PCILP-VV-W-X-Y-Z	1064nm In-line Polarizer	High speed communication systems & test instrumentations
DL-PCIPBCS-UU-V-W-X-Y-Z	1064nm Isolator Polarization Beam Combiner/Splitter	Combining Power from Two Pump Lasers
DL-PCPBCS-TT-U-V-W-X-Y-Z	1064nm Polarization Beam Combiner/Splitter	Combining Power from Two Pump Lasers, Also act as Splitter
DL-PCPM CIR-VV-W-X-Y-Z	1064nm Polarization Maintaining Optical Circulator	Provides High isolation, low insertion loss, high extinction ratio, & excellent environmental stability
DL-PCPMFC-SS-T-UU-V-W-X-Y-Z	1064nm Polarization Maintaining Filter Coupler	Spitting of Input Signal at Various Ratios with High Extinction Ratio
DL-PCPMFCM-TT-UUUU-VV-W-X-Y-Z	1064nm Polarization Maintaining Filter Coupler Module (1×3)	Fiber sensors, amplifiers, lasers, etc
DL-PCPMFCM-TT-UUUU-VV-W-X-Y-Z-(1×4,1×8)	1064nm Polarization Maintaining Filter Coupler Module (1×4/1×8)	Fiber sensors, amplifiers, lasers, etc
DL-PCPMFM-WW-X-Y-Z	1064nm Polarization Maintaining Faraday Mirror	Amplifiers, fiber lasers & fiber instruments
DL-PCPMI-06-V-W-X-Y-Z-P	1064nm Polarization Maintaining Isolator For Pulse Application	Pulse amplifiers, pulse fiber lasers & test instruments
DL-PCPMI-06-U-V-W-X-Y-Z	1064nm Polarization Maintaining Isolator	Amplifiers, fiber lasers & test instruments
DL-PCPMTC-SS-T-UU-V-W-X-Y-Z	1064nm Polarization Maintaining Tap Coupler	Spitting of Input Signal at Various Ratios with High Extinction Ratio
DL-PCPSDSI-06-V-W-X-Y-Z-P	1064nm Polarization Insensitive Isolator For Pulse Application	Fiber lasers & other high performance laser based fiber optics systems
DL-PCPSDSI-06-W-X-Y-Z	1064nm Polarization Insensitive Isolator	Fiber lasers & other high performance laser based fiber optics systems

Filters		
Product code	Description	Applications
DL-PCASEF-WWWW-X-Y-Z	Amplified Spontaneous Emission Filter	EDFAs & laser systems
DL-PCBF-WWWW-X-Y-Z	Bandpass Filter	EDFAs & laser systems
DL-PCCLWDM-WWWW-X-Y-Z	C Band/L Band Filter Wavelength Division Multiplexer	DWDM systems
DL-PCCRBWDM-WWWW-X-Y-Z	C Band Red/Blue Wavelength Division Multiplexer	DWDM systems
DL-PCCWDMA-WW-X-Y-Z	Coarse Wavelength Division Multiplexers	CWDM systems
DL-PCCWDM-WW-X-Y-Z	Coarse Wavelength Division Multiplexers (Different Wavelength)	CWDM systems
DL-PCCWDMMA-U-V-W-X-Y-Z	Coarse Wavelength Division Multiplexers Module (4 Channels/8 Channels)	Expanding the bandwidth of Metro/Access Networks
DL-PCCWDMU-U-V-W-X-Y-Z	Coarse Wavelength Division Multiplexers Module (4 Channels/8 Channels) (Different Wavelength)	Expanding the bandwidth of Metro/Access Networks
DL-PCDWDM-V-WW-X-Y-Z	Dense Wavelength Division Multiplexer	DWDM systems
DL-PCDWDM-T-UU-V-WW-X-Y-Z	Dense Wavelength Division Multiplexers Module (4/8/16 Channels)	Dense WDM systems
DL-PCFWM-VVVV-W-X-Y-Z	Filter Wavelength Division Multiplexer	EDFAs, Raman amplifiers, WDM networks and fiber optical instruments
DL-PCOADM-V-WW-X-Y-Z	100GHz and 200GHz Add/Drop Module	DWDM systems

Multimode Products		
Product code	Description	Applications
DL-PCMMBP-VVVV-W-X-Y-Z	Multimode Fiber Bandpass Filter	Multimode fiber communication systems
DL-PCMMC-Q-R-S-T-U-V-W-X-Y-Z	Multimode Fiber Collimator	In-line fiber optic components, such as isolator & FWDM
DL-PCMMFC-TT-U-VV-W-X-Y-Z	Multimode Fiber Filter Coupler	LAN, multimode fiber communication systems, fiber sensors & testing instruments
DL-PCMMFWDM-VVVV-W-X-Y-Z	Multimode Filter Wavelength Division Multiplexer	Multi-mode fiber communication, CATV and testing instrumentation
DL-PCMMI-VV-W-X-Y-Z	Multimode Polarization Insensitive Isolator	Fiber lasers, transmitters & other fiber optics communication equipments
DL-PCMMP-V-W-XX-Y-Z	Multimode Patchcord	Multimode fiber lasers & test instrumentations