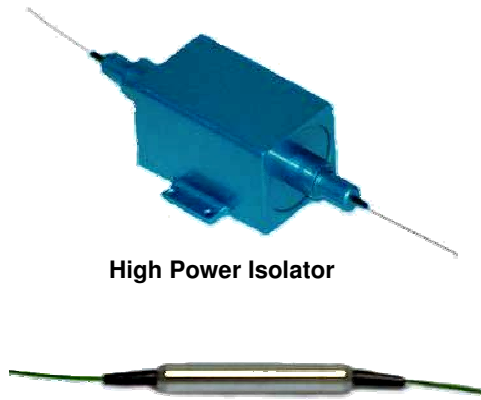


Optical Passive Components



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 |