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Corporation Ltd

PM Wavelength Division Multiplexer

Polarization Maintaining Wavelength Division Multiplexer (PMWDM) using Thin Film Filters technology (TFF) combine light with different wavelengths into a fiber or separate an optical signal into two fibers with special feature - maintaining polarization. This device provides low insertion loss and high return loss with high polarization extinction ratio.



Types

- Fused WDM
- Thin Film Filter WDM
- MultiMode WDM
- Polarization Maintaining WDM

Applications

- High Speed DWDM Systems
- Erbium-Doped Fiber Amplifiers
- CATV

Features

- Low Insertion Loss
- High Return Loss
- High Polarization Extinction Ratio
- Environmentally Stable



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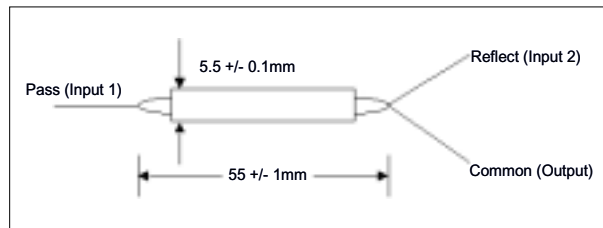
SPECIFICATIONS

Polarization Maintaining WDM (980/1040nm)

| Parameter | Values | Units |
|--|--|------------|
| Passband | Wavelength Range | 980 +/-10 |
| | IL over Pass Wavelength (input 1 to output) | <1.0 |
| Reflection Band | Wavelength Range | 1040 +/-10 |
| | IL over Reflection Band (input 2 to output) | <0.7 |
| | Reflection Band Isolation@Pass Band Wavelength | >12 |
| Variation Insertion Loss | <0.3 | dB |
| Extinct Ratio | >20 | dB |
| Signal Blocking (Input 2 to Input 1, 1040nm) | > 55 (Typ. 60) | dB |
| Optical Return Loss | >50 | dB |
| Tensile Load | 5 | N |
| Max. Optical Power (Continuous Wave) | 300 | mW |
| Fiber Type | PM 980 Panda fiber for all ports | -- |
| Fiber Length | 0.75 | m |
| Operating Temperature | -5 to +70 | °C |
| Storage Temperature | -40 to +85 | °C |

*Above specifications are for device without connectors.

*If added with connectors, the IL will be 0.3dB higher, ER will be 2dB lower and RL will be 5dB lower.



ORDERING CODES

OLWDM - P - [] - [] - []

| Fiber Type | Code |
|------------------------------|------|
| 250um Panda Fiber | 25 |
| 900um loose tube Panda Fiber | 90 |
| Others | XX |

| Wavelength | Code |
|------------------------|------|
| 980Pass/1040Reflection | 9810 |

| Connector Type | Code |
|----------------|------|
| No Connector | NC |
| FC/UPC | FU |
| SC/UPC | SU |
| FC/APC | FA |
| SC/APC | SA |
| Others | XX |

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