Fused Single-Mode WDM (980/1550nm)

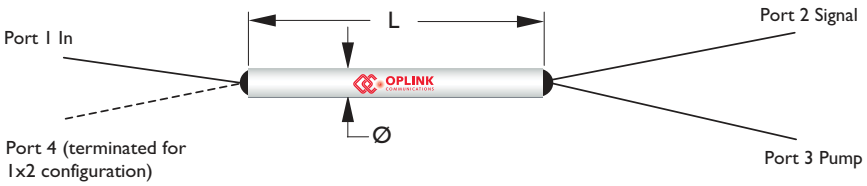
SWDM59 Series

Product Description

Oplink's 980/1550nm fused single-mode wavelength division multiplexers are manufactured using the proven fused biconical taper technology and Oplink's stringent quality procedures. With low insertion loss and flat passband, this device is ideal for combining pump (980nm) and signal light at 1550nm in optical fiber amplifiers.

Oplink can provide customized designs to meet specialized feature applications. Also, Oplink offers modular assemblies that integrate other components to form a full function module or subsystem.





Performance Specification

SWDM59 Series	Premium	Grade A	Grade B	Unit
Operating Wavelength	970 - 990nm / 1535 - 1565nm			
Insertion Loss (970 - 990nm / 1535 - 1565nm)	< 0.1	< 0.2	< 0.3	dB
Isolation	> 20			dB
Polarization Dependent Loss	< 0.1			dB
Directivity	> 55			dB
Maximum Power Handling	500			mW
Operating Temperature	- 10 to + 70			°C
Storage Temperature	- 40 to + 85			°C
Fiber Type	HI1060 FLEX & HI980			
Package Dimensions **	P1: 250µm bare fiber P2: 900µm loose tube		(ø)3.0 x (L)54 (ø)3.0 x (L)60	mm

Note:
** Values are referenced without connector loss.*
*** The mechanical tolerance should be +/-0.2 mm on all package dimensions unless otherwise custom specified.*

Features

- Ultra Low Insertion Loss
- Ultra High Isolation
- Low Polarization Sensitivity
- High Directivity
- High Stable & Reliable
- Bidirectional

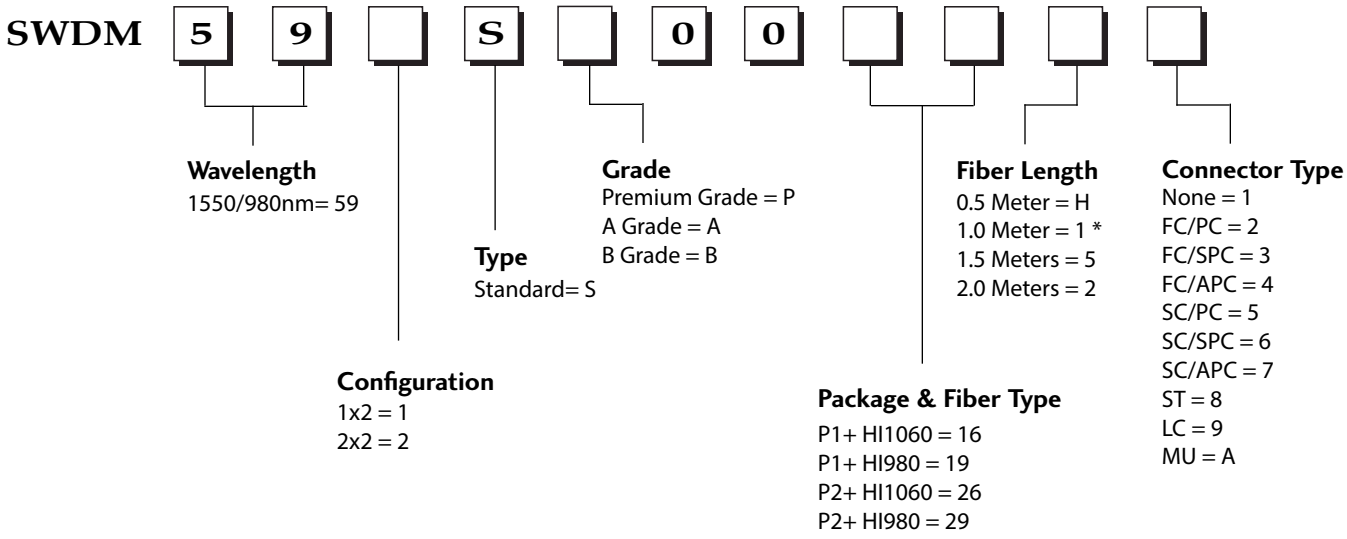
Applications

- Telecommunications
- CATV
- Subscriber Loop
- Local Area Networks
- Fiberoptic Sensors

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Ordering Information

Oplink can provide a remarkable range of customized optical solutions. For detail, please contact Oplink's OEM design team or account manager for your requirements and ordering information (510) 933-7200.



Notes :
** 1 meter is standard. The lead time for special fiber length will be longer.*

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