Fused Single-Mode WDM (1480/1550nm)

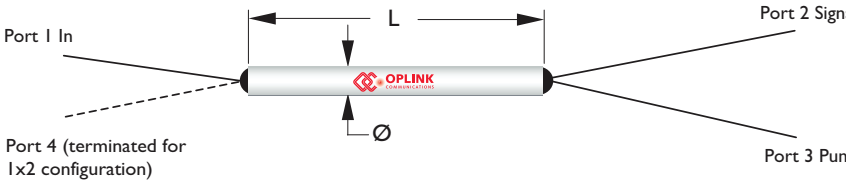
SWDM54 Series

Product Description

Oplink's 1480/1550 nm 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 (1480 nm) and signal light at 1550 nm 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

SWDM54 Series	Premium	Grade A	Unit
Operating Wavelength	1475 - 1485nm / 1545 - 1555nm		
Insertion Loss	< 0.4	< 0.6	dB
Isolation	> 13	> 11	dB
Polarization Dependent Loss	< 0.13	< 0.15	dB
Directivity	> 55		dB
Maximum Power Handling	500		mW
Operating Temperature	- 10 to + 70		°C
Storage Temperature	- 40 to + 85		°C
Fiber Type	SMF-28		
Package Dimensions **	P1: 250μm bare fiber (ø)3.0 x (L)60 P2: 900μm loose tube (ø)3.0 x (L)65		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

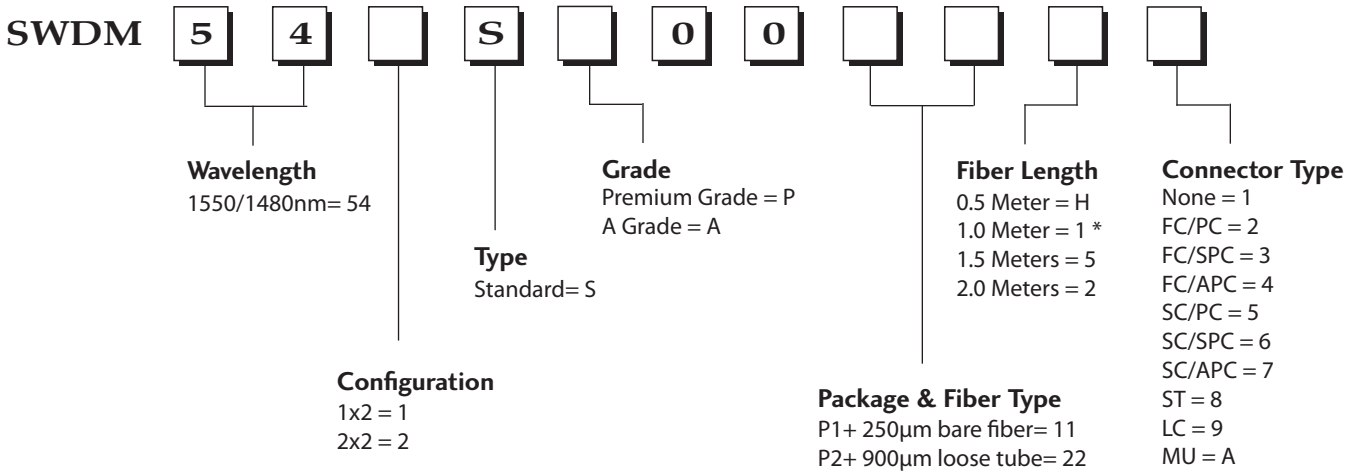
Applications

- CATV
- Local Area Networks
- Telecommunications
- Subscriber Loop
- Laboratory R&D

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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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