



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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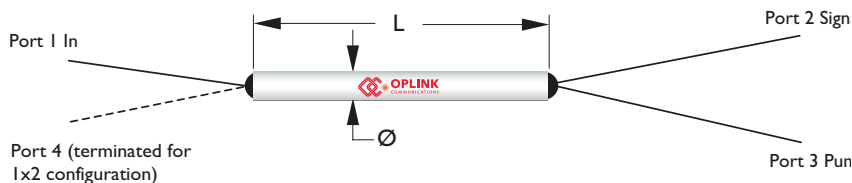
FUSED SINGLE-MODE WDM (1480/1550nm)

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 P2: 900µm loose tube	(ø)3.0 x (L)60 (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

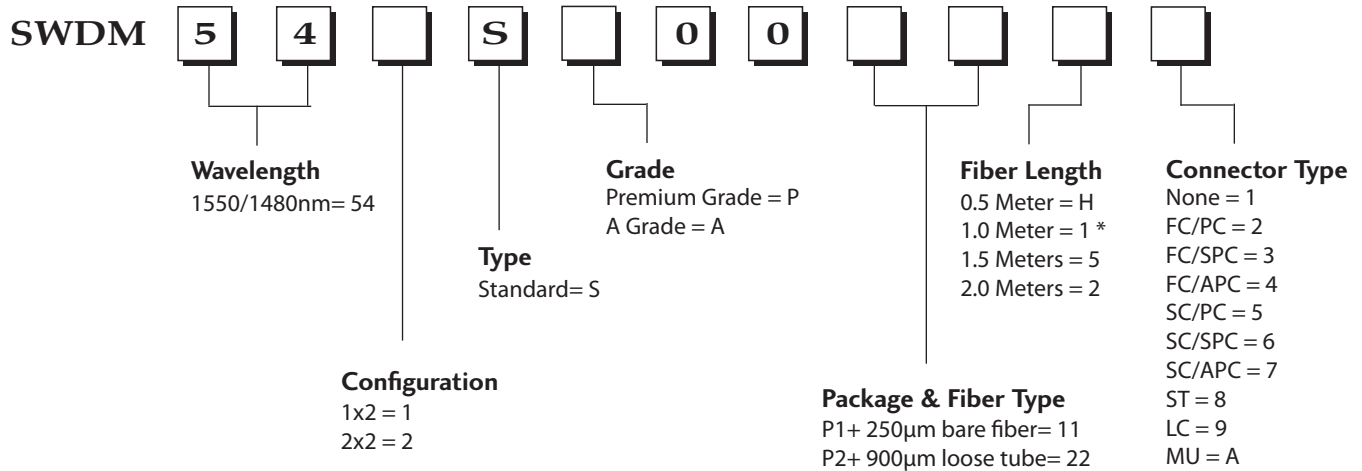
Applications

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

SWDM54 SERIES

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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