



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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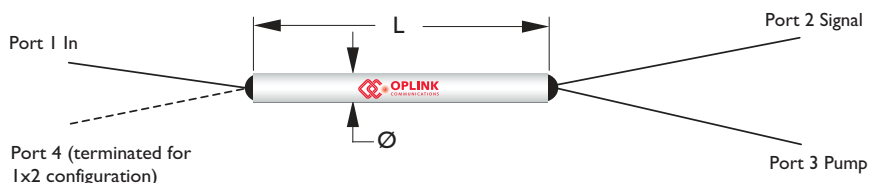
FUSED SINGLE-MODE WDM (980/1550NM)

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

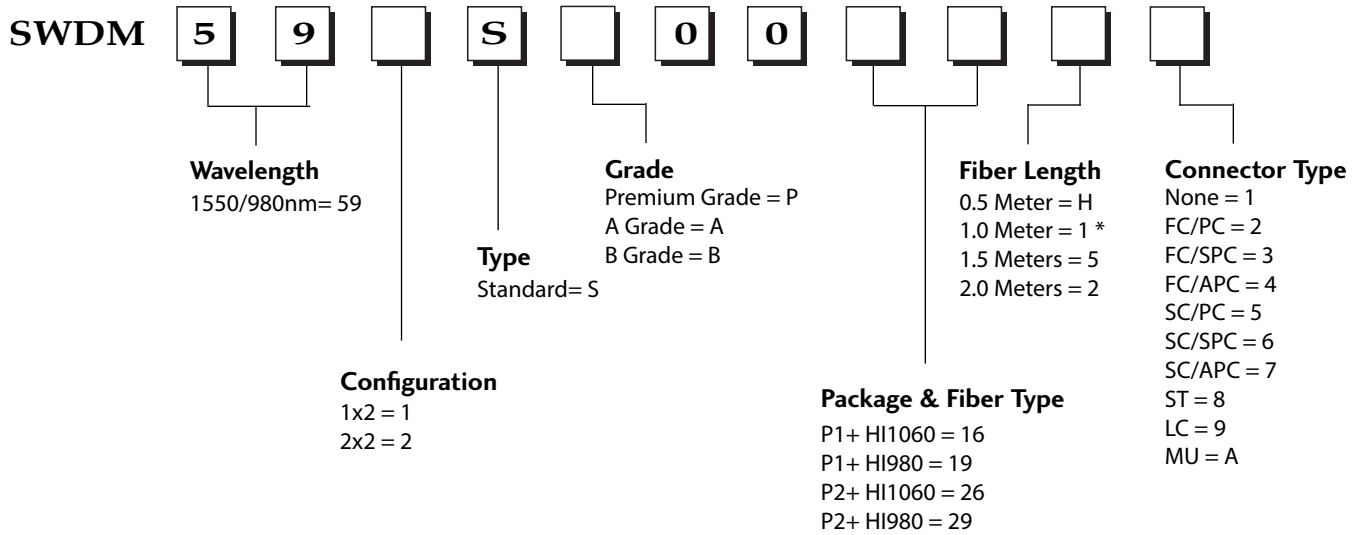
Applications

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

SWDM59 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.