

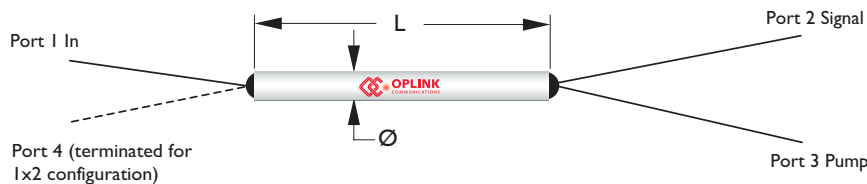
# ULTRA HI-REL UNDERSEA COMPONENT FAMILY FUSED SINGLE-MODE WDM (980/1550 NM)

## UWDM59 Series

### Product Description

Oplink's 980/1550 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 (980 nm) and signal light at 1550 nm in optical fiber amplifiers. Please contact our Oplink OEM design team for further information.

Oplink's Ultra Hi-Rel family of optical components are available for your undersea applications. Please contact us with your requirements.



### Performance Specification

UWDM59 Series	Premium	Grade A	Grade B	Unit
Operating Wavelength	970 - 990 / 1535 - 1565			nm
Insertion Loss (970 - 990nm / 1535 - 1565nm)	< 0.1	< 0.2	< 0.3	dB
Isolation	> 20			dB
Polarization Dependent Loss	< 0.05	< 0.1	< 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: 250 µm bare fiber P2: 900 µm loose tube	(Ø) 3.0 x (L) 54.0 (Ø) 3.0 x (L) 60.0		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

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

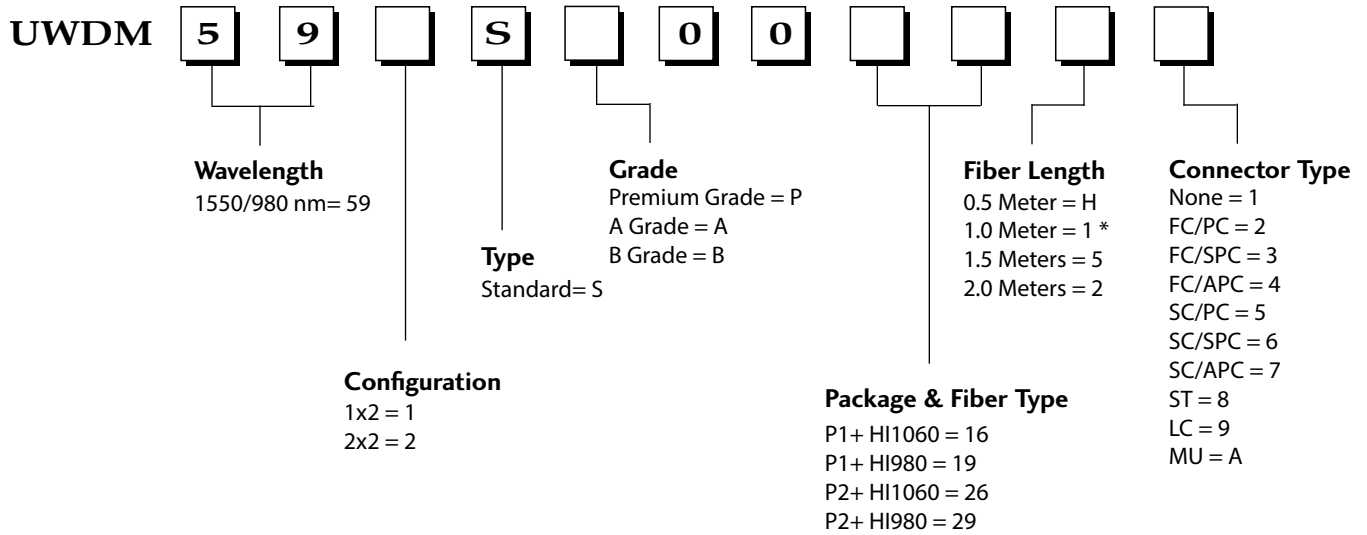
### Applications

- ◆ Undersea

**UWDM59 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.