

MINI FUSED SINGLE-MODE WDM (980/1550 NM)

Mini SWDM Series

Features

- ◆ Compact Package Size
- ◆ 80 μ m Fiber Pigtail Option
- ◆ Low Insertion Loss
- ◆ High Isolation
- ◆ Highly Stable & Reliable

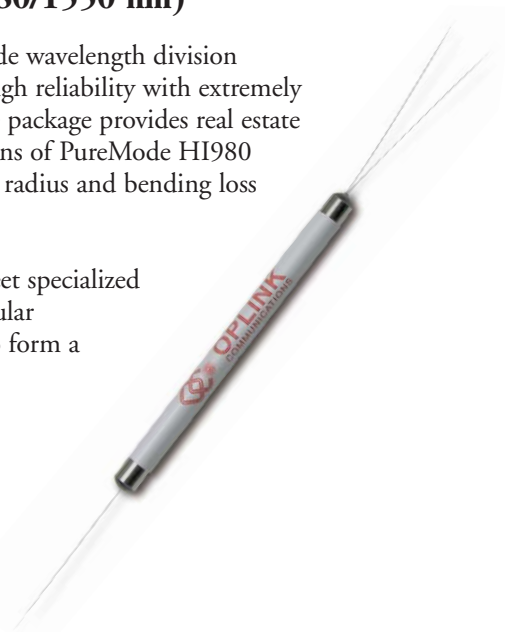
Applications

- ◆ EDFA & Raman Amplifiers
- ◆ Laboratory R&D

Mini Fused Single-Mode WDM (980/1550 nm)

Oplink's mini 980/1550 nm fused single-mode wavelength division multiplexers provide high performance and high reliability with extremely compact package size. The short length of the package provides real estate flexibility to EDFA design. With pigtail options of PureMode HI980 and reduced cladding 980 fibers, the bending radius and bending loss can be achieved to be extremely small.

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 Specifications

Parameter	P Grade	A Grade	B Grade	Units
Operating Wavelength Range	970~990/1535~1565			nm
Insertion Loss (970~990nm/1535~1565nm)	< 0.15	< 0.2	< 0.3	dB
Isolation	> 20			dB
Polarization Dependent Loss (PDL)	< 0.1			dB
Directivity	> 55			ps
Maximum Power Handling	500			mW
Operating temperature	0 to +70			°C
Storage temperature	-40 to +85			°C
Fiber Type	PureMode HI980, HI1060 FLEX PureMode RC980 80 μ m			
Package Dimension *	P4: HI 980 or HI 1060 FLEX	(ϕ)3.0 x (L)40		mm
	P8: RC980/80 μ m	(ϕ)3.0 x (L)35		mm

Values are referenced without connector loss.

*The mechanical tolerance should be +/- 0.2 mm on all package dimensions unless otherwise custom specified.

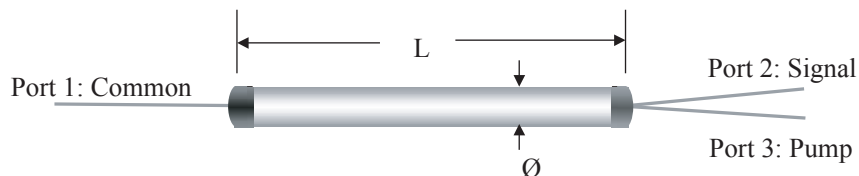
Oplink Fiber Optic Product Lines

Amplifier Components
Amplifier Modules
DWDMs
Switching/Routing/
Monitoring/ Conditioning
Transmission
RGB Laser Modules



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Mechanical Footprint Dimension (unit: mm)



Ordering Information

Oplink can provide a 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.

SWDM 5 9 S 0 0

<p>Configuration 1x2=1 2x2=2</p>	<p>Grade P Grade = P A Grade = A B Grade = B</p>	<p>Package Type P4 = 4 P8 = 8</p>	<p>Fiber Length 1.0 meter = 1* 1.5 meter = 5 2.0 meter = 2 0.5 Meter = H</p>	<p>Connector Type None = 1 FC/PC=2 FC/SPC=3 FC/APC=4 SC/PC=5 SC/SPC=6 SC/APC=7 ST=8 LC=9 MU=A</p>
	<p>Type Standard = S</p>	<p>Fiber Type HI980=9 HI1060 FLEX =6 RC980 80µm =8*</p>		

Note: * RC980 80µm fiber option is for bare fiber only (no connectors).

