

HIGH ISOLATION 1310/1550 NM MICRO-OPTIC WDM

HWDM Series

Features

- Wide Operating Wavelength Range
- Low Insertion Loss
- High Channel Isolation
- Ultra Flat Wide Passband
- Highly Stable & Reliable
- Epoxy-Free Optical Path

Applications

- Bi-Direction WDM Systems
- Uni-Directional WDM Systems
- CATV Systems

HIGH ISOLATION 1310/1550 NM MICRO-OPTIC WDM

Oplink's High-Isolation Micro-Optic Wavelength Division Multiplexer (HWDM) is based on thin-film filter technology and metal bonding micro optics packaging. This component is used to combine or separate 1310 and 1550nm band signal. The HWDM device offers a very flat and wide passband, low insertion loss, and much higher isolation than the MWDM device. This product is ideal for high-power Optical Amplification Systems and WDM Network applications. All Oplink products are epoxy-free in the optical path. Oplink HWDM devices are Bellcore GR-1221 qualification tested.



Performance Specifications

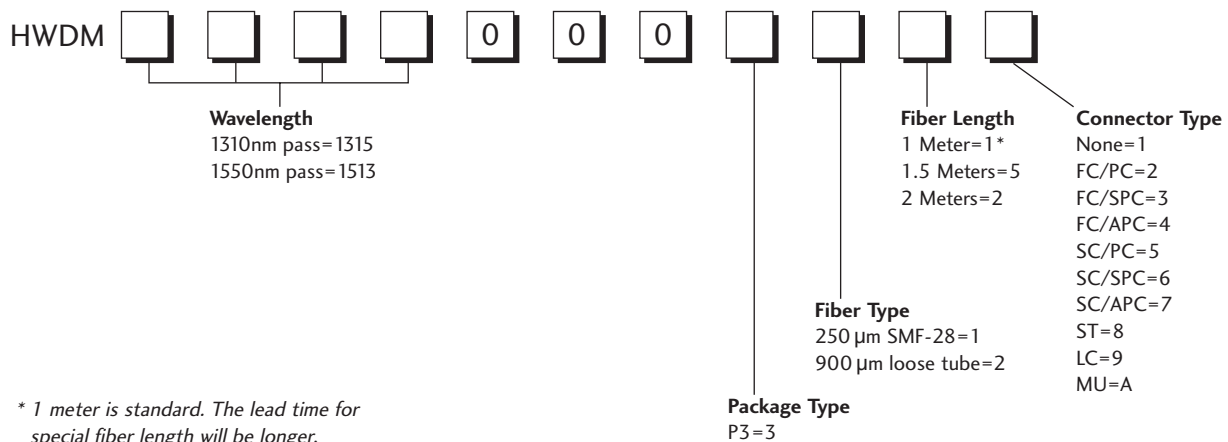
HWDM Series		Min	Max	Unit
Pass Channel Wavelength Range λ_1	Type 1315	1250	1350	nm
	Type 1513	1520	1600	nm
Reflection Channel Wavelength Range λ_2	Type 1315	1520	1600	nm
	Type 1513	1250	1350	nm
Insertion Loss	Reflect Channel @ λ_2		1.0	dB
	Pass Channel @ λ_1		1.0	dB
Isolation	Reflect Channel @ λ_1	45		dB
	Pass Channel @ λ_2	45		dB
Passband Ripple			0.3	dB
Directivity		55		dB
Return Loss		55		dB
Polarization Dependent Loss			0.1	dB
Polarization Mode Dispersion			0.05	ps
Maximum Power Handling			500	mW
Operating Temperature		0	70	°C
Storage Temperature		-40	85	°C
Package Dimension**	P3: (L)34 x (W)15 x (H)8			mm

* Values are referenced without connector loss.

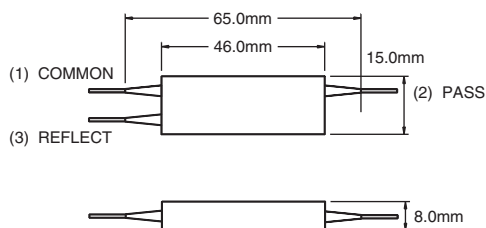
** The mechanical tolerance should be ± 0.2 mm on all package dimensions unless otherwise custom specified.

Ordering Information

Oplink custom designs and manufactures high performance fiber optic networking components and integrated optical modules. Oplink can provide a remarkable range of customized optical solutions to meet your specific design needs. By combining our technical expertise with our extensive micro-optic manufacturing and packaging capability, your volume requirements for components and customized integrated products can be met. We are happy to discuss your requirements. Please contact Oplink's OEM Design Team or Sales Representative for ordering and price information (408) 965-7270.



Package Dimensions:



Spectral Performance:

