

High Isolation 1310/1550 nm Micro-Optic Wavelength Division Multiplexer

HWDM-35/53 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
- System Monitoring
- Fiberoptic Instruments
- Transmitters and Fiber Lasers
- Laboratory R&D

OPLINK's Micro-Optic Wavelength Division Multiplexer (MWDM) is based on thin-film filter technology and metal bonding micro optics packaging. It is used to combine or separate 1310 and 1550nm band signal. This device offers very flat and wide pass-band, low insertion loss, and high isolation which makes it ideal for Optical Amplifying Systems and DWDM Network applications. All OPLINK products are epoxy-free in the optical path. OPLINK MWDM devices are Bellcore GR -1209 qualification tested.

Performance Specifications

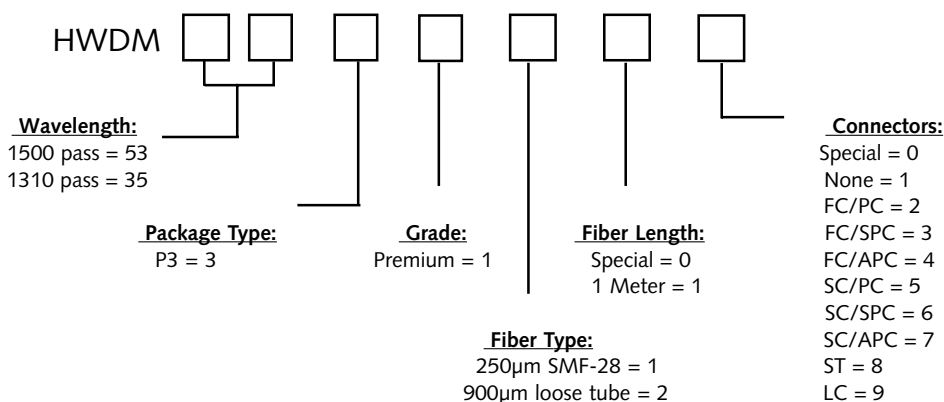
HWDM-35 Series		Premium
Pass Channel Wavelength Range (nm)		1250 - 1350 (or 1520 - 1600)*
Reflect Channel Wavelength Range (nm)		1520 - 1600 (or 1250 - 1350)*
Insertion Loss (dB)	Reflect Channel	≤ 1.0
	Pass Channel	≤ 1.0
Isolation (dB)	Reflect Channel	≥ 45
	Pass Channel	≥ 45
Directivity (dB)		≥ 60
Return Loss (dB)		≥ 55
Polarization Dependent Loss (PDL) (dB)		≤ 0.1
Thermal Stability (dB/ °C)		≤ 0.003
Maximum Power Handling (mW)		300
Maximum Tensile Load (N)		5
Operating Temperature (°C)		0 to +70
Storage Temperature (°C)		-40 to +85
Package Dimension (mm)		P3: (L) 46 x (W) 15 x (H) 8

Values are referenced without connector loss.

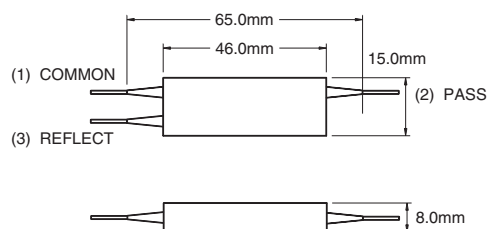
* Both 1310nm band pass and 1310nm band reflect models are available.

Ordering Information

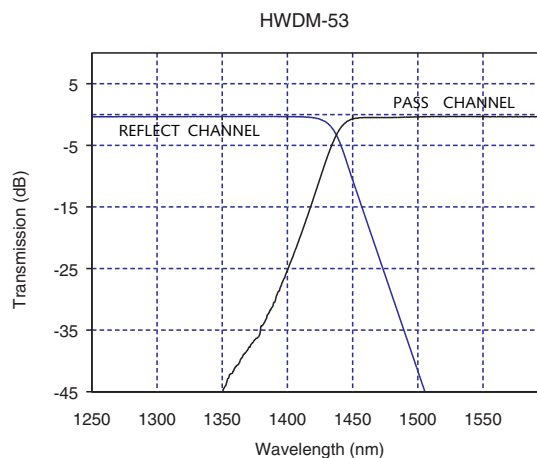
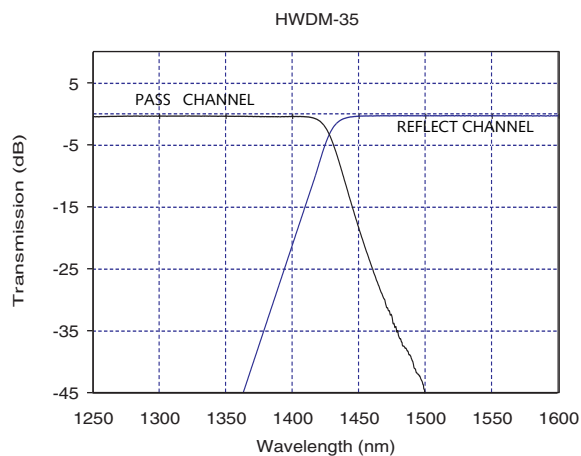
Standard Oplink Micro-Optic WDMs are specified below with appropriate part number options. If you require devices that are different than these standard devices, please contact our local Oplink Distributor, Sales Representative, or Factory Customer Service for ordering and price information.



Package Dimensions:



Spectral Performance:



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