AC Photonics

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

ACP's Multimode Micro-Optics WDM utilizes thin film coating technology and proprietary design of non-flux metal bonding micro optics packaging. It provides low insertion loss, high channel isolation, low temperature sensitivity and epoxy free optical path .

All AC Photonics' products are Telcordia qualification tested.

Key Features

- Wide Operating Wavelength Range
- Low Insertion Loss
- Ultra Flat Wide Passband
- High Channel Isolation
- High Stability and Reliability
- Epoxy Free Optical Path

Applications

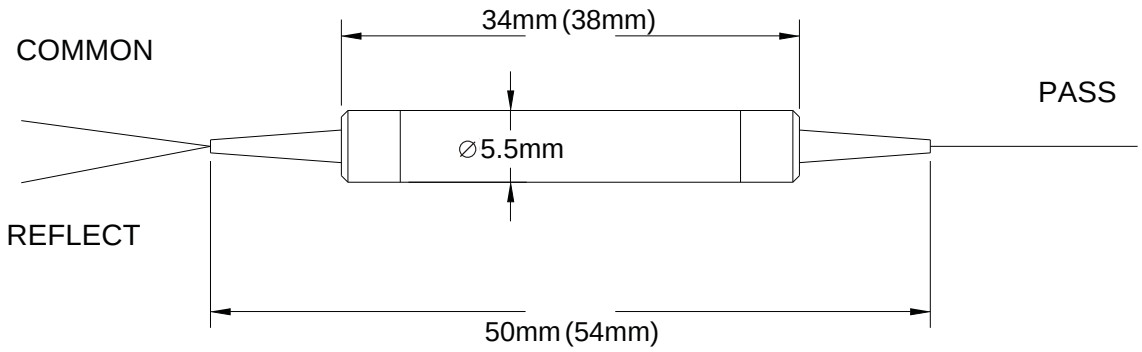
- System Monitoring
- WDM System
- Transmitters and Fiber Lasers
- Fiber Optical Amplifier
- Fiberoptic Instruments

Performance Specifications

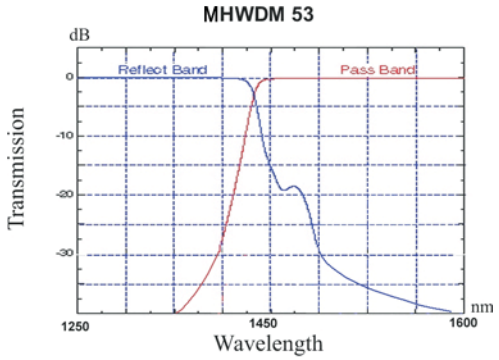
Parameter		Specifications
Pass Channel Wavelength Range		1520nm to 1600nm (or 1250nm to 1350nm)
Reflect Channel Wavelength Range		1250nm to 1350nm (or 1520nm to 1600nm)
Insertion Loss	Reflect Channel.	≤ 0.8dB
	Pass Channel	≤ 0.8dB
Insertion Loss Variation		≤ 0.3dB
Channel Isolation	Reflect Channel	≥ 40dB
	Pass Channel	≥ 40dB
Insertion Loss Temperature Sensitivity		≤ 0.003dB/°C
Polarization Dependent Loss		≤ 0.10dB
Polarization Mode Dispersion		≤ 0.10ps
Directivity		≥ 35dB
Return Loss		≥ 30dB
Optical Power		≤ 300mW
Operating Temperature		0 to +70°C
Storage Temperature		-40 to +85°C
Package Dimensions		Ø5.5 x L34mm (L38 for 900um)

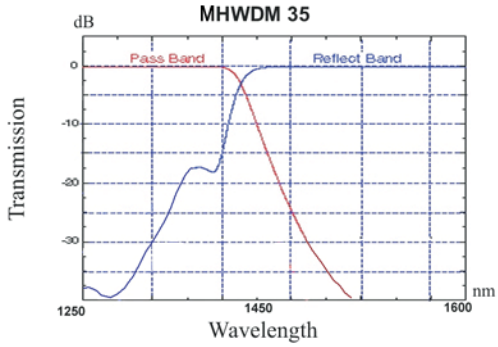
Note: All parameters are measured under scrambled mode condition for both wavelengths.

Mechanical Dimensions



Spectral Chart





Ordering Information

HMWDM	☐☐	☐☐	☐	☐	☐☐
	Wavelength	**Fiber Type**	**Pigtail Style**	**Fiber Length**	**In/Out Connector**
	53 = 1550 Pass 35 = 1310 Pass	1 = 62.5/125 MM Fiber 2 = 50/125 MM Fiber	1 = Bare Fiber 2 = 900um Jacket	1 = 1.0m 2 = 2.0m	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC