

850/1310nm 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

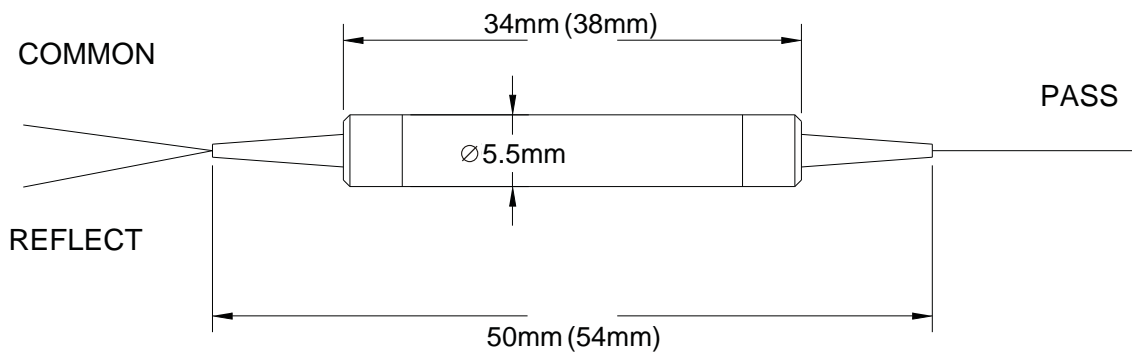
- System Monitoring
- WDM System
- Transmitters and Fiber Lasers
- Fiber Optical Amplifier
- Fiberoptic Instruments

Performance Specifications

Parameter		Specifications
Pass Channel Wavelength Range		800nm to 900nm (or 1260nm to 1360nm)
Reflect Channel Wavelength Range		1260nm to 1360nm (or 800nm to 900nm)
Insertion Loss	Reflect Channel.	≤ 1.0dB
	Pass Channel	≤ 1.0dB
Insertion Loss Variation		≤ 0.3dB
Channel Isolation	Reflect Channel	≥ 45dB
	Pass Channel	≥ 45dB
Insertion Loss Temperature Sensitivity		≤ 0.003dB/°C
Polarization Dependent Loss		≤ 0.10dB
Polarization Mode Dispersion		≤ 0.10ps
Directivity		≥ 45dB
Return Loss		≥ 40dB
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



Ordering Information

HMWDM	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
	Wavelength	Fiber Type	Pigtail Style	Fiber Length	In/Out Connector
	83 = 850 Pass 38 = 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