

## 1480/1550nm Micro-Optic Wavelength Division Multiplexer



ACP's 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

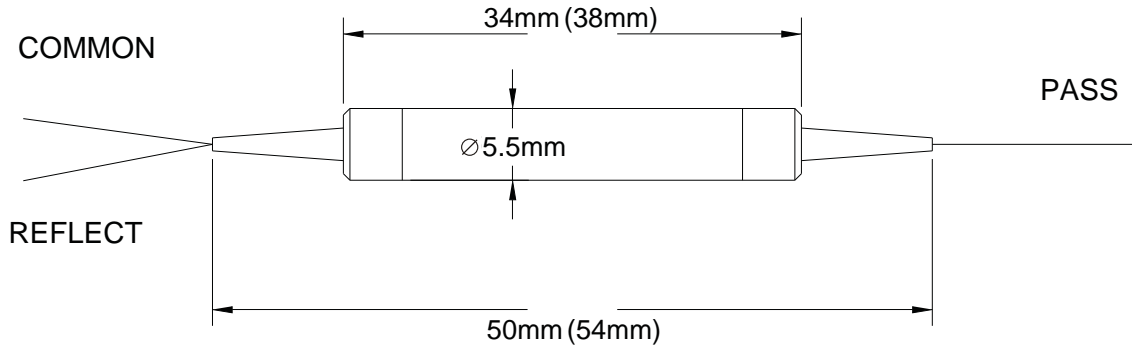
### Applications

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

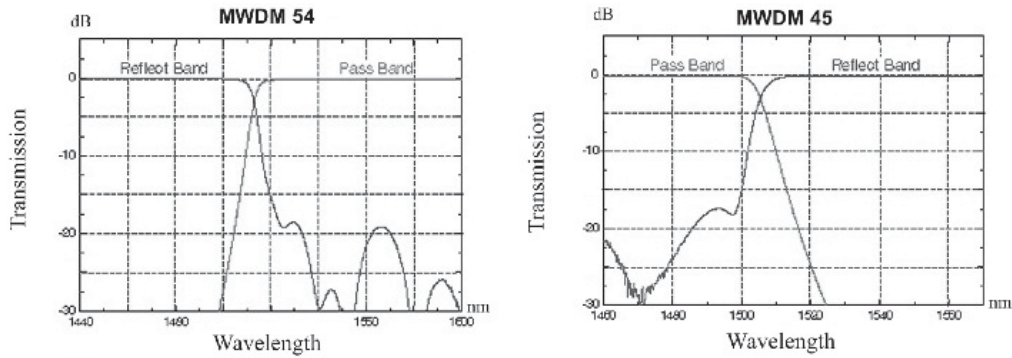
### Performance Specifications

Parameter		Specifications
Pass Channel Wavelength Range		1530nm to 1580nm (or 1440nm to 1490nm)
Reflect Channel Wavelength Range		1440nm to 1490nm (or 1530nm to 1580nm)
Insertion Loss	Reflect Channel.	≤ 0.4dB
	Pass Channel	≤ 0.6dB
Insertion Loss Variation		≤ 0.3dB
Channel Isolation	Reflect Channel	≥ 12dB
	Pass Channel	≥ 30dB
Insertion Loss Temperature Sensitivity		≤ 0.003dB/°C
Polarization Dependent Loss		≤ 0.10dB
Polarization Mode Dispersion		≤ 0.10ps
Directivity		≥ 60dB
Return Loss		≥ 50dB
Optical Power		≤ 300mW
Operating Temperature		0 to +70°C
Storage Temperature		-40 to +85°C
Package Dimensions		Ø5.5 x L34mm (L38 for 900um)

**Mechanical Dimensions**



**Spectral Chart**



**Ordering Information**

MWDM				
	Wavelength	Pigtail Style	Fiber Length	In/Out Connector
	45 = 1480 Pass/1550 Reflect 54 = 1550 Pass/1480 Reflect	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