

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



ACP's High Isolation 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

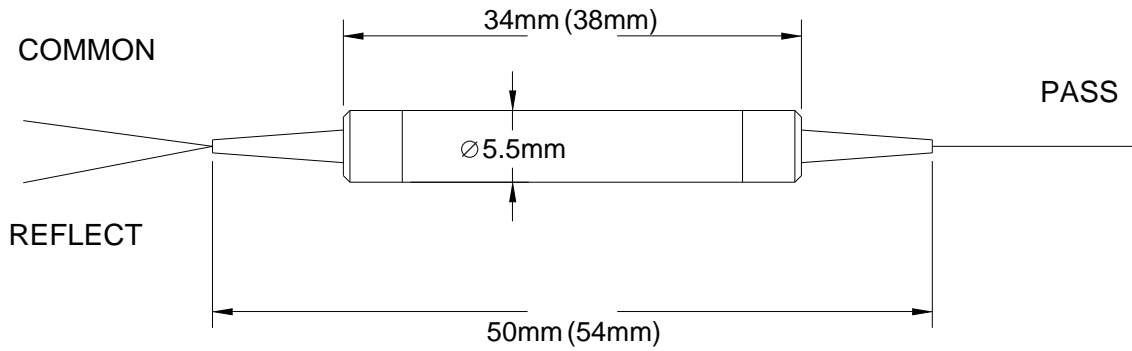
### Applications

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

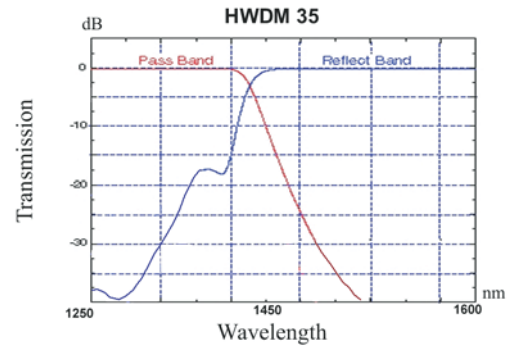
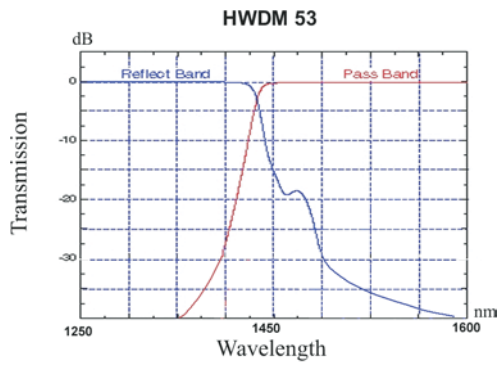
### Performance Specifications

Parameter		Specifications
Pass Channel Wavelength Range		1520nm to 1600nm
Reflect Channel Wavelength Range		1250nm to 1350nm
Insertion Loss	Reflect Channel.	$\leq 0.8\text{dB}$
	Pass Channel	$\leq 0.8\text{dB}$
Insertion Loss Variation		$\leq 0.3\text{dB}$
Channel Isolation	Reflect Channel	$\geq 45\text{dB}$
	Pass Channel	$\geq 45\text{dB}$
Insertion Loss Temperature Sensitivity		$\leq 0.003\text{dB}/^\circ\text{C}$
Polarization Dependent Loss		$\leq 0.10\text{dB}$
Polarization Mode Dispersion		$\leq 0.10\text{ps}$
Directivity		$\geq 55\text{dB}$
Return Loss		$\geq 50\text{dB}$
Optical Power		$\leq 300\text{mW}$
Operating Temperature		0 to $+70^\circ\text{C}$
Storage Temperature		$-40$ to $+85^\circ\text{C}$
Package Dimensions		$\varnothing 5.5 \times \text{L}34\text{mm}$ (L38 for 900um)





**Mechanical Dimensions**



**Spectral Chart**



**Ordering Information**

HWDM				
	<b>Wavelength</b>	<b>Pigtail Style</b>	<b>Fiber Length</b>	<b>In/Out Connector</b>
	53 = 1550 Pass	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