



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

AC Photonics' 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.



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	HWDM-53	
Pass Channel Wavelength Range (nm)	1520 ~ 1600nm	
Reflect Channel Wavelength (nm)	1250 ~ 1350nm	
Insertion Loss (dB)	Reflect Channel	≤ 0.8
	Pass Channel	≤ 0.8
Insertion Loss Variation(dB)	≤ 0.3	
Isolation (dB)	Reflect Channel	≥ 45
	Pass Channel	≥ 45
Polarization Dependent Loss(dB)	≤ 0.1	
Polarization Mode Dispersion (ps)	≤ 0.1	
Directivity (dB)	≥ 55	
Return Loss (dB)	≥ 50	
Power Handling (mW)	300	
Operating Temperature (° C)	0 ~ +70	
Storage Temperature (° C)	-40 ~ +85	
Dimensions (mm)	5.5 x L34(L38*)	

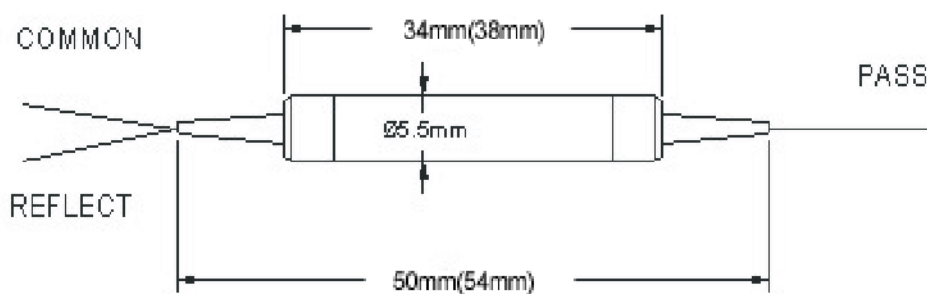
* L38 for 900um Jacket.



Ordering Information

HWDM	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
	Wavelength	Pigtail Style	Fiber Length	In/Out Connector
	53=1550 pass	1=Bare Fiber 2=900um Jacket	1=1m 2=2m	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC

Dimensions



Spectral Chart

