



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

AC Photonics' MMWDM

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

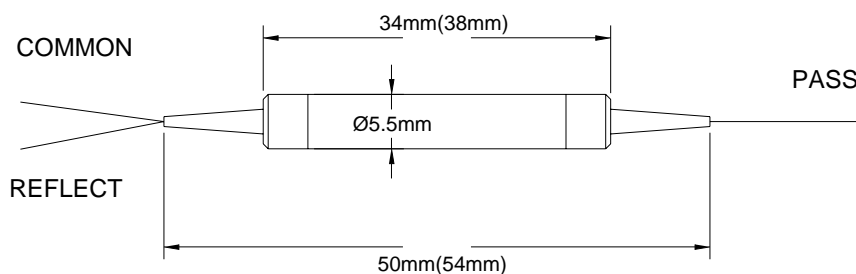
Parameter	HMWDM-53/35	
Pass Channel Wavelength Range (nm)	1520 ~ 1600 (or 1250~1350)	
Reflect Channel Wavelength (nm)	1250 ~ 1350 (or 1520~1600)	
Insertion Loss (dB)	Reflect Channel	≤ 0.8
	Pass Channel	≤ 0.8
Insertion Loss Variation(dB)	≤ 0.3	
Isolation (dB)	Reflect Channel	≥ 40
	Pass Channel	≥ 40
Insertion Loss Temperature Sensitivity (dB/°C)	≤ 0.003	
PDL (dB)	≤ 0.1	
Polarization Mode Dispersion (ps)	≤ 0.1	
Directivity (dB)	≥ 45	
Return Loss (dB)	≥ 40	
Power Handling (mW)	300	
Operating Temperature (°C)	0 ~ +70	
Storage Temperature (°C)	-40 ~ +85	
Dimensions (mm)	φ5.5 x L34(L38 for 900um Jacket)	

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

Ordering Information

HMWDM	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
	Wavelength	Fiber Type	Fiber Length	Pigtail Style	In/Out Connector
	35=1310 pass 53=1550 pass	1=62.5/125 MM Fiber 2=50/125 MM Fiber	1=1 m 2=2 m	1 = Bare Fiber 2 = 900um Jacket	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC

Dimensions



Spectral Chart

