



Multimode 850/1310nm Micro-Optic Wavelength Division Multiplexer(Standard 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	MMWDM-83/38	
Pass Channel Wavelength Range (nm)	800 ~ 900 (or 1260~ 1360)	
Reflect Channel Wavelength (nm)	1260 ~ 1360 (or 800~ 900)	
Insertion Loss (dB)	Reflect Channel	≤ 0.7
	Pass Channel	≤ 0.8
Insertion Loss Variation(dB)	≤ 0.3	
Isolation (dB)	Reflect Channel	≥ 12
	Pass Channel	≥ 30
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

MMWDM	<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
	38=1310 pass 83=850 pass	1=62.5/125 MM Fiber 2=50/125 MM Fiber	1=1m 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

