



# 850/1310nm Multimode Micro-Optic Wavelength Division Multiplexer

ACP's Multimode 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.

## PERFORMANCE SPECIFICATIONS

Parameter	Specifications	
	Standard	High Isolation
Type		
Wavelength Range (Pass Channel)	800 to 900 (or 1260 to 1360nm)	
Wavelength Range (Reflect Channel)	1260 to 1360 (or 800 to 900nm)	
Insertion Loss (Pass Channel)	≤ 0.80dB	≤ 1.0dB
Insertion Loss (Reflect Channel)	≤ 0.70dB	≤ 1.0dB
Insertion Loss Variation	≤ 0.30dB	≤ 0.30dB
Channel Isolation (Pass Channel)	≥ 30dB	≥ 45dB
Channel Isolation (Reflect Channel)	≥ 12dB	≥ 45dB
Insertion Loss Temperature Sensitivity	≤ 0.003dB/°C	≤ 0.003dB/°C
Directivity	≥ 35dB	
Return Loss	≥ 35dB	≥ 30dB
Optical Power	≤ 300mW	
Operating Temperature	0 to +70°C	
Storage Temperature	- 40 to +85°C	
Package Dimensions	A= Standard, Φ5.5xL34 (250um fiber) Φ5.5xL38 (900um fiber)	

## FEATURES

- Wide Operating Wavelength Range
- Low Insertion Loss
- Ultra Flat Wide Passband
- High Channel Isolation
- High Stability and Reliability
- Epoxy Free Optical Path

## APPLICATION

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

Note:

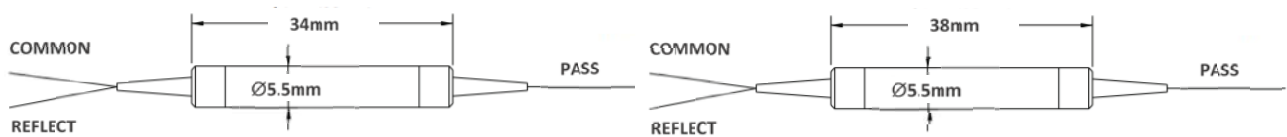
All parameters are measured under scrambled mode condition at both ends..

All values referenced are without connector.

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### MECHANICAL DIMENSIONS

A Package



### PORT CONFIGURATIONS



### ORDERING INFORMATION

Type	Operating Wavelength	Port	Package	Fiber Type	Pigtail Style	Fiber Length	In Connector	Out Connector
MMWDM=Standard	8531=850 pass/1310 nm reflect	102=1x2	A= A package	A=50/125um	1=Bare fiber	05=0.5m	0= None	0= None
HMWDM=High Isolation	3185=1310 pass/850 nm reflect			B=62.5/125um	2=900um loose tube	10=1.0m . . . 20=2.0m	1= FC/APC 2= FC/PC 3= SC/APC 4= SC/PC 5= ST 6= LC/UPC 7= LC/APC	1= FC/APC 2= FC/PC 3= SC/APC 4= SC/PC 5= ST 6= LC/UPC 7= LC/APC