



1310/1550nm 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)	1520 to 1600 (or 1250 to 1350nm)	
Wavelength Range (Reflect Channel)	1250 to 1350 (or 1520 to 1600nm)	
Insertion Loss (Pass Channel)	≤ 0.60dB	≤ 0.80dB
Insertion Loss (Reflect Channel)	≤ 0.50dB	≤ 0.80dB
Insertion Loss Variation	≤ 0.30dB	≤ 0.30dB
Channel Isolation (Pass Channel)	≥ 30dB	≥ 40dB
Channel Isolation (Reflect Channel)	≥ 12dB	≥ 40dB
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)	

Note:

*High isolation passes only 1550nm wavelength range.

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

All values referenced are without connector.

FEATURES

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

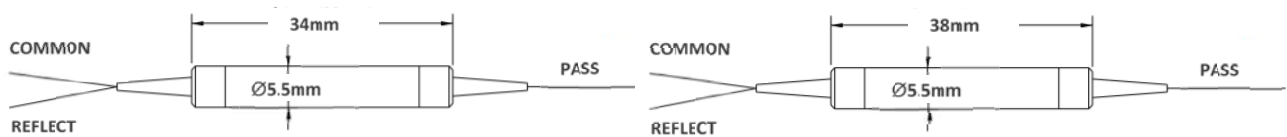
APPLICATION

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

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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	3155=1310 pass/1550 nmreflect	102=1x2	A= A package	A=50/125um	1=Bare fiber	05=0.5m	0= None	0= None
HMWDM=High Isolation	5531=1550 pass/1310nm reflect			B=62.5/125um	2=900um loose tube	10=1.0m	1= FC/APC	1= FC/APC
							2= FC/PC	2= FC/PC
							3= SC/APC	3= SC/APC
							4= SC/PC	4= SC/PC
						20=2.0m	5= ST	5= ST
							6= LC/UPC	6= LC/UPC
							7= LC/APC	7= LC/APC