acphotonics

RoHS COMPLIANT

C and L-Band Red-Blue Pass Micro-Optic Wavelength Division Multiplexer

ACP's 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

APPLICATION

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

PERFORMANCE SPECIFICATIONS

Parameter	Specifications	
Type	C-Band	L-Band
Wavelength Range (Pass Channel)	1547 to 1561 (or 1530 to 1543.2nm)	1589 to 1603 (or 1570 to 1584nm)
Wavelength Range (Reflect Channel)	1530 to 1543.2 (or 1547 to 1561nm)	1570 to 1584 (or 1589 to 1603nm)
Insertion Loss (Pass Channel)	≤ 0.60dB	
Insertion Loss (Reflect Channel)	≤ 0.40dB	
Insertion Loss Variation	≤ 0.30dB	
Channel Isolation (Pass Channel)	≥ 30dB	
Channel Isolation (Reflect Channel)	≥ 12dB	
Insertion Loss Temperature Sensitivity	≤ 0.003dB/°C	
Polarization Dependent Loss	≤0.10dB	
Polarization Mode Dispersion	≤0.10ps	
Directivity	≥ 60dB	
Return Loss	≥ 50dB	
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)	

All values referenced are without connector.

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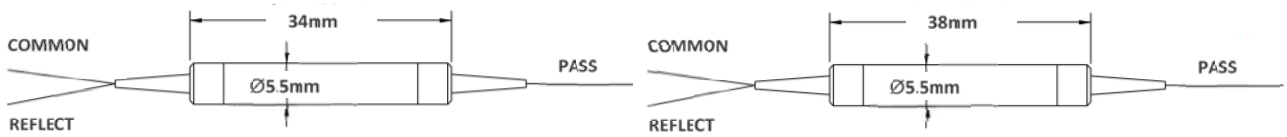
MECHANICAL DIMENSIONS

A Package



PORT CONFIGURATIONS

ORDERING INFORMATION

MWDM										
		Pass Wavelength	Port	Package	Fiber Type*	Pigtail Style	Fiber Length	In Connector	Out Connector
	C=C Band L=L Band	R= Red pass B= Blue pass	102=1x2	A= A package	2=SMF-28 Ultra (G.657.A1) 3=ClearCurve ZBL(G.657.B3)	1=Bare fiber 2=900um loose tube	05=0.5m 10=1.0m . . . 20=2.0m	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC

*1=SMF-28(G.652) is available upon request.