acphotonics

1310/1550nm 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.

PERFORMANCE SPECIFICATIONS

Parameter	Specifications	
Type	Standard	High Isolation
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)	≤ 0.40dB	≤ 0.80dB
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
Polarization Dependent Loss	≤0.10dB	≤0.10dB
Polarization Mode Dispersion	≤0.10ps	≤0.10ps
Directivity	≥ 55dB	≥ 50dB
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)	

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
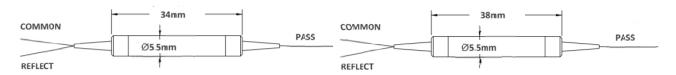
Fiberoptic Instruments

Note:

        *Compact package is available.

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
MWDM=Standard	5531=1550 pass /1310 reflect	102=1x2	A= A package	2=SMF-28 Ultra (G.657.A1)	1=Bare fiber	05=0.5m	0 = None	0 = None
HWDM=High Isolation				3=ClearCurve ZBL(G.657.B3)	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

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