acphotonics

980-1550nm 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
Wavelength Range (Pass Channel)	1520 to 1600nm
Wavelength Range (Reflect Channel)	980 to 1000nm
Insertion Loss (Pass Channel)	≤ 1.0dB
Insertion Loss (Reflect Channel)	≤ 0.60dB
Insertion Loss Variation	≤ 0.30dB
Channel Isolation (Pass Channel)	≥ 30dB
Channel Isolation (Reflect Channel)	≥ 18dB
Insertion Loss Temperature Sensitivity	≤ 0.003dB/℃
Polarization Dependent Loss	≤0.10dB
Polarization Mode Dispersion	≤0.10ps
Directivity	≥ 55dB
Return Loss	≥ 50dB
Optical Power	≤ 300mW
Operating Temperature	0 to +70℃
Storage Temperature	- 40 to +85℃
Fiber Type (Pump and Common port)	HI1060, HI1060Flex or ClearLite980-16
Fiber Type (Signal port)	SMF-28, SMF-28 Ultra or ClearCurve ZBL
Package Dimensions	A= Standard, Φ5.5xL34 (250um fiber)
	Φ5.5xL38 (900um fiber)

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
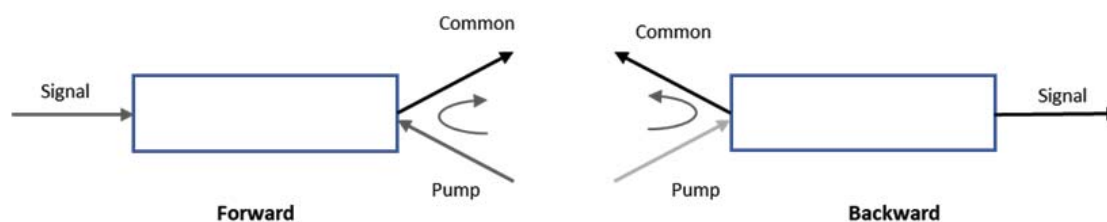
Fiber Optical Amplifier

Fiberoptic Instruments

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MECHANICAL DIMENSIONS

A Package

PORT CONFIGURATIONS

ORDERING INFORMATION

MWDM											
	Wavelength	Port	Package	Fiber Type (Pump and Common port)	Fiber Type* (Signal port)	Pigtail Style	Fiber Length	In Connector	Out Connector
	5598= 1550 nm pass/ 980 nm reflect	102=1x2	A= A package	6=Hi1060 7=Hi1060 Flex 8=ClearLite980-16	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 6 = LC/UPC 7 = LC/APC	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 6 = LC/UPC 7 = LC/APC

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