PM CWDM 1x2

ACP's Coarse wavelength division multiplexer (CWDM) utilizes thin film coating technology and proprietary design of non-flux metal bonding micro optics packaging. It provides low insertion loss, high channel isolation, wide pass band, low temperature sensitivity and epoxy free optical path.

PERFORMANCE SPECIFICATIONS

Parameter	Mux/Demux
Operating Wavelength (Full band (FB))	1270 ~ 1610 nm
Operating Wavelength (Standard)	1270 ~ 1350nm or 1430 ~ 1610nm
Center Wavelength (CWL)	1270, 1290, ...1610nm or 1271, 1291, ...1611nm
Center Wavelength (CWL) Accuracy	±0.50nm
Channel Spacing	20nm
Channel Passband (@-0.5dB bandwidth)	≥ 13nm
Insertion Loss	≤ 0.60dB (Pass Ch.) ≤ 0.40dB (Reflected Ch.)
Channel Ripple	≤ 0.40dB
Channel Isolation (Demux only)	≥ 30dB (Adjacent) ≥ 40dB (Non-adjacent)
Express Channel Isolation	≥ 15dB
Insertion Loss Temperature Sensitivity	≤ 0.003dB/°C
Wavelength Temperature Shifting	≤ 0.002nm/°C
Polarization Dependent Loss	≤ 0.10dB
Polarization Mode Dispersion	≤ 0.10ps
Extinction Ratio	≥ 18dB
Working Axis	Both axes
Fiber Type	Corning PM1550 for 1450nm~1611nm Corning PM1310 for 1260nm~1431nm
Directivity	≥ 50dB
Return Loss	≥ 45dB
Optical Power	≤ 300mW
Operating Temperature	0 to +70°C (Extended temperatures are also available upon request)
Storage Temperature	- 40 to +85°C
Package Dimensions (mm)	A= Standard, Φ5.5xL34 (250um bare fiber) Φ5.5xL38 (900um jacket fiber) M=Compact, Φ4.8XL30 (250um bare fiber) N=Mini, Φ4.2xL28 (250um bare fiber) C=98x14x8.5 (2&3 mm fiber jacket) S=89x51x8.0 (2&3 mm fiber jacket)

All values referenced are without connector.

FEATURES

- Low Insertion Loss
- Wide Pass Band
- High Channel Isolation
- High Stability and Reliability
- Epoxy Free Optical Path

APPLICATION

- Line Monitoring
- WDM Network
- Telecommunication
- Cellular Application
- Fiber Optical Amplifier
- Access Network

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MECHANICAL DIMENSIONS

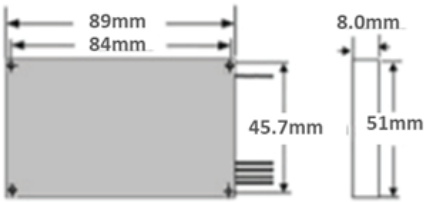
A Package

M Package

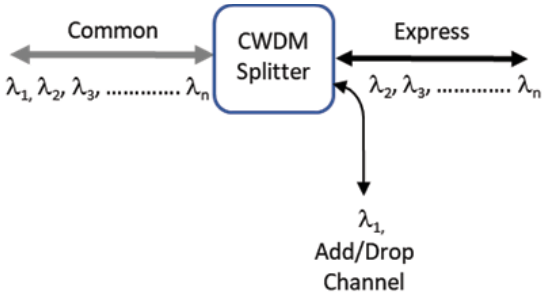
N Package

C Package

S Package



CHANNEL CONFIGURATIONS



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ORDERING INFORMATION

									In	Out		
PMCWDM	Channel Spacing*	1st Channel Wavelength	Port	Package	Fiber Type	Pigtail Style	Fiber Length	Connector			Option	
	2=20nm	270= 1270 nm 271=1271 nm • • • 610 = 1610nm 611 = 1611nm	102= 1x2	A=A package M= M package N= N package C= C package S= S package	M=PM1310 N=PM1550	1=Bare fiber 2=900um loose tube 3=3mm jacket 4=2mm jacket 5=1.6mm jacket	07=0.75m 10=1.0m	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC			None= Standard FB=Full band	

*custom order for 10nm and 4nm channel spacing.