



C and L-Band Supervisory Channel Micro-Optic Wavelength Division Multiplexer

ACP's C Band Supervisory Channel (1510nm~1520nm) 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

Fiber Optical Amplifier

PERFORMANCE SPECIFICATIONS

Parameter	Specifications				
Туре	C-Band	L-Band			
Wavelength Range (Pass Channel)	1500 to 1520nm	1620 to 1630nm			
Wavelength Range (Reflect Channel)	1529 to 1563nm	1570 to 1605nm			
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	≥ 55dB				
Return Loss	≥ 50dB				
Optical Power	≤ 300mW				
Operating Temperature	0 to +70°C				
Storage Temperature	- 40 to +85°C				
Package Dimensions	A= Standard, Φ 5.5xL34 (250um fiber)				
Φ5.5xL38 (900um fiber)					

All values referenced are without connector.

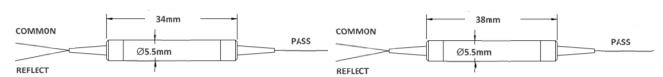




C and L-Band Supervisory Channel Micro-Optic Wavelength Division Multiplexer

MECHANICAL DIMENSIONS

A Package



PORT CONFIGURATIONS



ORDERING INFORMATION

MWDM								
	Pass Wavelength	Port	Package	Fiber Type*	Pigtail Style	Fiber Length	In Connector	Out Connector
	CS= 1510nm pass LS= 1625nm 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	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.