



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	
	C-Band	L-Band
Type	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, 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
	CS= 1510nm pass	102=1x2	A= A package	2=SMF-28 Ultra (G.657.A1)	1=Bare fiber	05=0.5m	0= None	0= None
	LS= 1625nm pass			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.