

4 Channels LAN Wavelength Division Multiplexer



ACP's LAN wavelength division multiplexer (LWDM) 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	1280 ~ 1330 nm
Channel Spacing	800GHz
Center Wavelength (CWL)	1295.56nm (Ch1)
	1300.05 nm (Ch2)
	1304.58nm (Ch3)
	1309.14nm (Ch4)
Channel Passband (@-0.5dB bandwidth)	≥ 1.03nm
Insertion Loss	≤ 1.5dB
Channel Ripple	≤ 0.50dB
Channel Isolation	≥ 25dB (Adjacent)
	≥ 35dB (Non-adjacent)
Polarization Dependent Loss	≤ 0.20dB
Polarization Mode Dispersion	≤ 0.20ps
Directivity	≥ 50dB
Return Loss	≥ 45dB
Optical Power	≤ 300mW
Operating Temperature	-10 to +75°C
Storage Temperature	- 40 to +85°C
Package Dimensions (LxWxH)	A=20.0x12.4x6.4mm

All values referenced are without connector.

Customer channels are available upon request.

FEATURES

- Telcordia GR-1221 and GR-1209 Compliance
- Ultra Mini Size
- Low Insertion Loss
- High Channel Isolation
- Excellent Temperature Stability
- Epoxy Free Optical Path

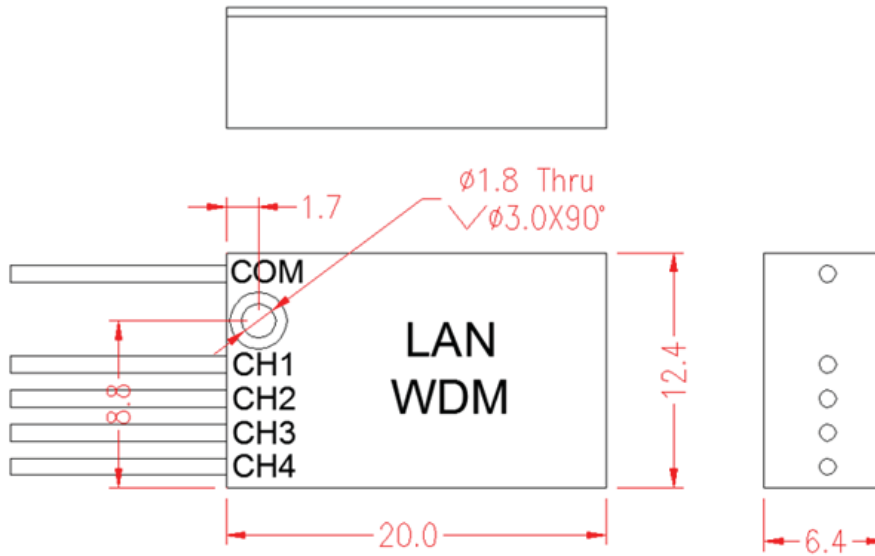
APPLICATION

- Optimized Package for CFP Transceiver Modules
- Local Area Network
- WDM Network
- Cellular Application

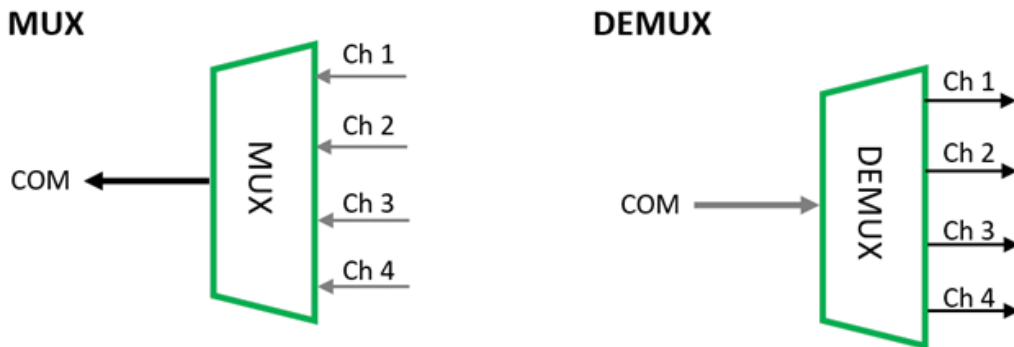
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MECHANICAL DIMENSIONS

A Package



CHANNEL CONFIGURATIONS



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ORDERING INFORMATION

LWDM	Channel Spacing	Number of Channels	Configuration	Package	Fiber Type*	Fiber Length**	Pigtail Style	In Connector	Out Connector
	8= 800 GHz	04= 4 channels	M= Mux D= Demux	A=A package	2=SMF-28 Ultra (G.657.A1) 3=ClearCurve ZBL(G.657.B3)	05=0.5m 10=1.0m · · · 20=2.0m	1=Bare fiber 2=900um loose tube	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.

**Other length is available upon request, However, 900µm loose tube is only up to 2m.