

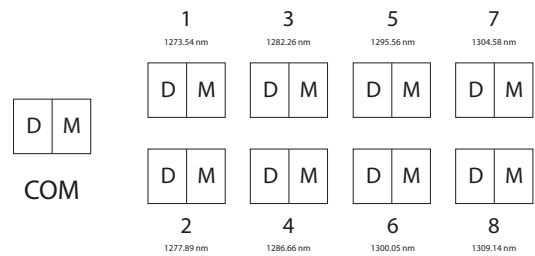


### Overview

Wave2Wave's 8CH LAN WDM module is featured with a pair of 1x4 multiplexer and demultiplexer for LAN WDM8 wavelength channels in a compact EXO cassette.

### Features & Benefits

- Low Insertion Loss
- High Isolation
- Low PDL
- Compact Design
- Good channel-to-channel uniformity
- Wide Operating Temperature: From 0°C to 70°C
- High Reliability and Stability



Part #: 88WDM31-3081-LMD8

### Specifications

Parameter	Min	Typical	Max	
Filter Type	Flat-Top			
Channel Spacing (GHz)				
Central Wavelength (nm)	L0	1272.55	1273.54	1274.54
	L1	1276.89	1277.89	1278.89
	L2	1281.25	1282.26	1283.27
	L3	1285.65	1286.66	1287.68
	L4	1294.53	1295.56	1296.59
	L5	1299.02	1301.09	1301.09
	L6	1303.54	1304.58	1305.63
	L7	1308.09	1309.14	1310.19
Passband (0.5dB) (nm)	$\lambda_c \pm 1.0$			
Fiber Type	SMF 28e			
Adjacent Isolation (dB)	25			
Non-Adjacent Isolation (dB)	35			

### Specifications

Parameter	Min	Typical	Max
Polarization Dependent Loss (dB)			0.25
Directivity (dB)	50		
Return Loss (dB)	45		
Insertion Loss (dB)	1.6		2.0
Operating Temperature (°C)	0~70		
Storage Temperature (°C)	-40~85		
Cassette Dimension (mm)	95x95x35		
Connector	LC/UPC		

### Modules Summary

	Description	Type	Part #	CH#s	Wavelength Channels	Package
Dense WDM	EXO® Lambda	100GHz Spacing	88WDM31-3081-MD	8x	C21, C22, C23, C24, C25, C26, C27,C28	EXO® LC
			88WDM51-3161-MD	16x	C21, C22, ..., C37, C38	EXO® MPO
			88WDM51-3481-MD	48x	C16, C17, ..., C62, C63	EXO® MPO
Dense WDM	EXO® Lambda-Z	200GHz Spacing	88WDM31-3081-MD2-8A	8x	C31,C33, C35,C37,C39,C41, C43,C45	EXO® LC
			88WDM31-3081-MD2-8B	8x	C47,C49, C51, C53, C55, C57, C59,C61	EXO® LC
			88WDM31-3081-MD2-16	16x	C31,C33, C35,C37,C39,C41,C43,C45, C47,C49, C51, C53,C55,C57,C59,C61	EXO® LC
Coarse WDM	EXO® Lambda-C4	CWDM4	88WDM31-3041-CMD	4x	1271nm, 1291nm, 1311nm, 1331nm	EXO® LC
	EXO® Lambda-LAN4	LAN WDM4	88WDM31-3041-LMD4	4x	1295.56nm, 1300.05nm, 1304.58nm, 1309.14nm	EXO® LC
	EXO® Lambda-LAN8	LAN WDM8	88WDM31-3081-LMD8	8x	1273.54nm, 1277.89nm, 1282.26nm, 1286.66nm, 1295.56nm, 1300.05nm, 1304.58nm, 1309.14nm	EXO® LC

### Standards Compliance

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE
- RoHS

