

Lightguide Distribution Center (LDC) CWDM Module, LGX-Compatible, 8 Channel

Corning offers a variety of CWDM modules compatible with the LDC family connector housings. Components are compliant to Telcordia requirements, including GR-1209, GR-1221, and others as appropriate to the specification. The modules are routed directly to the LDC family housing.



Part Number: CKXB30801-ZZU50

Features	Benefits
Accommodates standard connector types	Reduces inventory
Individual connector adapters	Enables easy connector access
Integrated fiber routing and bend-radius protection	Minimizes insertion loss

Specifications

General Specifications	
Application	CATV environments, Carrier networks
Product Type	CWDM modules
Fiber Category	Single-mode (OS2)

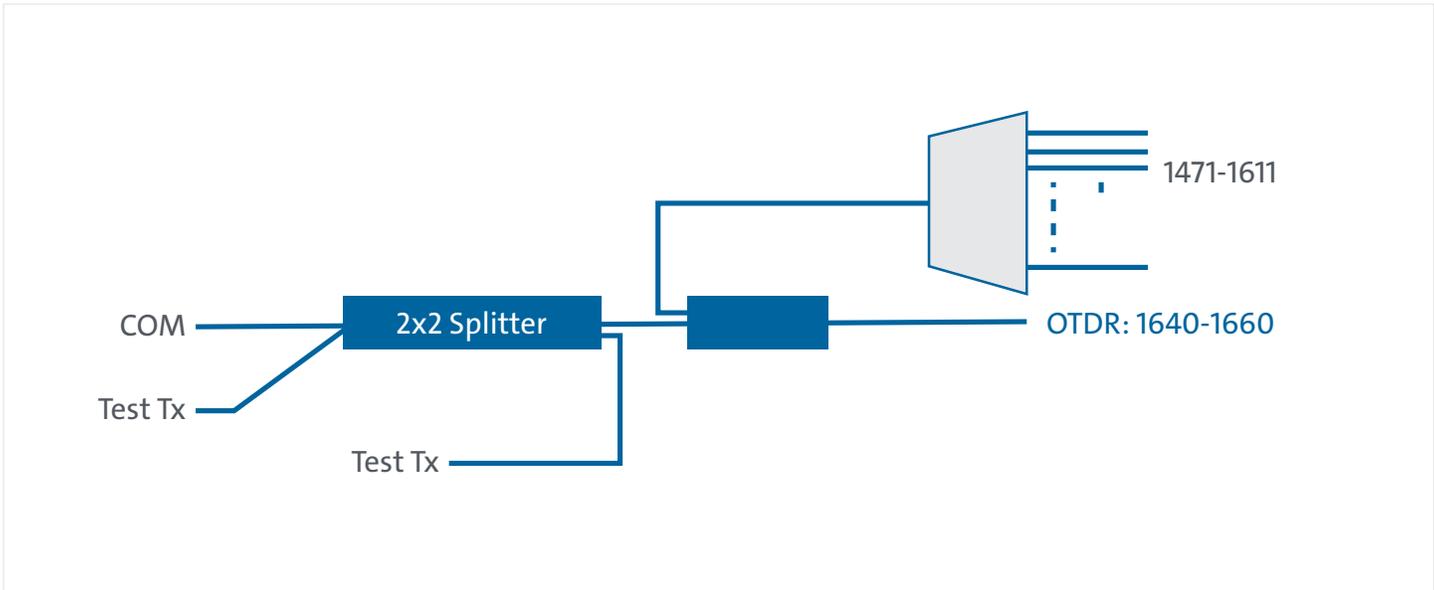
Mechanical Specifications

Connector Configuration	LC APC			
Housing Color	Platinum			
Housing Type	LDC			
Package Dimensions	1U LGX, half depth			
Tensile Load (N)	Minimum 5			
Fiber Type	Corning® SMF-28e+® or equivalent			
ITU Channels	Channel Count 8+2		Channel Spacing 20 nm	
	1471	1491	1511	1531
	1551	1571	1591	1611
Connector Loss Per Mating	Maximum 2.5 nm			

Parameter	Minimum	Typical	Maximum
CWDM Passband Width (nm)	$\lambda_{ITU} \pm 6.5$		
Express Port Wavelength (nm)		1270-1330	
OTDR Port Wavelength (nm)		1640-1660	
CWDM Channel Insertion Loss (dB)			3.3
Express Port Insertion Loss (dB)			3.3
OTDR Port Insertion Loss (dB)			2.0
Test Port Insertion Loss (dB)			15.5
CWDM Adjacent Channel Isolation (dB)	30		
CWDM Nonadjacent Channel Isolation (dB)	45		
CWDM Channel Isolation over 1640-1660 nm (dB)	30		
Express Port Isolation (dB)	30		
OTDR Port Isolation (dB)	30		
Return Loss (dB)	45		
Directivity (dB)	50		
PDL (dB)			0.2
PMD (ps)			0.2
Optical Power (mW)			300

Environmental Specifications

Operating Temperature Range (°C)	-20		65
Storage Temperature (°C)	-40		85



Optical Layout

Ordering Information

Description	Part Number
CWDM Port LGX CWDM 1471-1611, exp dual test, OTDR	CKXB30801-ZZU50

Shipping Information

Units Per Delivery
1/1

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