

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: CKXB308BJ-ZZE50

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	Outside plant network, attached to building exterior, typically single-family dwelling or duplex
Product Type	CWDM modules
Fiber Category	Single-mode (OS2)

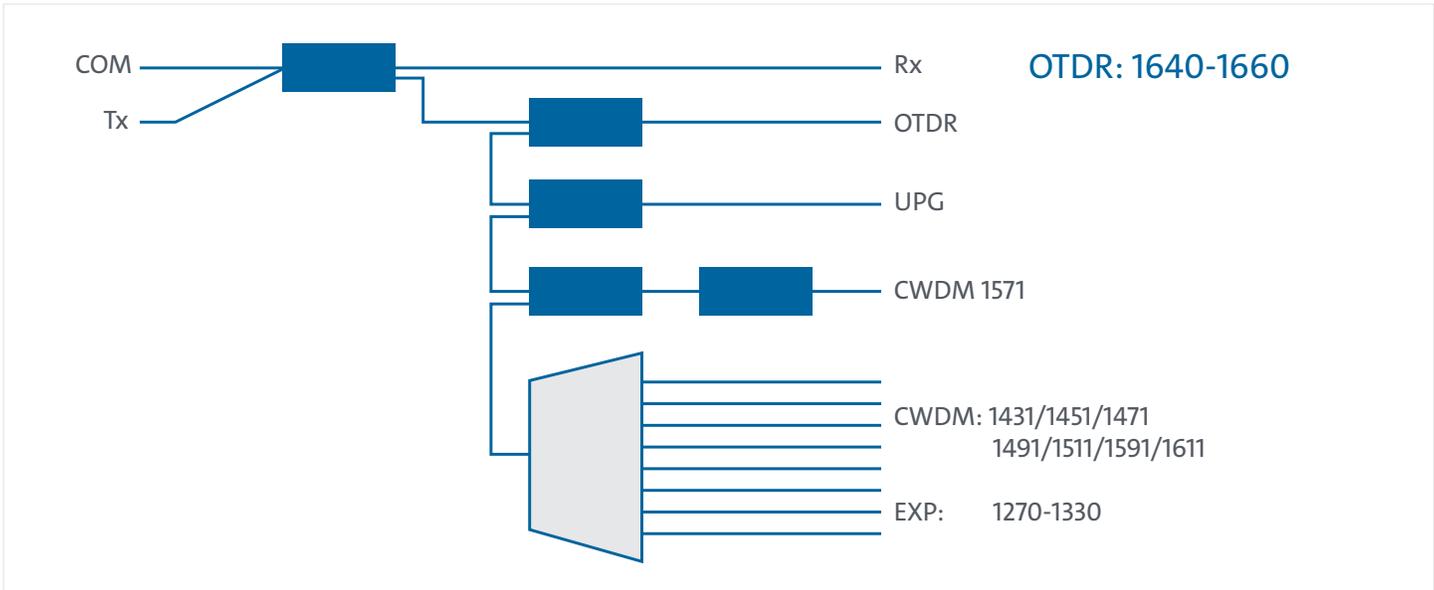
Mechanical Specifications

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+3		Channel Spacing 20 nm	
	1431	1451	1471	1491
	1511	1571	1591	1611

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	
UPG Port Wavelength (nm) (DWDM channels 20-61)		1528.645-1561.545	
CWDM Channel Insertion Loss (dB)			3.9
Express Port Insertion Loss (dB)			3.9
OTDR Port Insertion Loss (dB)			2.0
UPG Port Insertion Loss (dB)			2.4
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		
CWDM Port Isolation over 1528.645-1561.545 nm (dB)	30		
Express Port Isolation over 1424.5-1675 nm (dB)	30		
OTDR Port Isolation (dB)	30		
UPG Port Isolation (dB)	12		
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 1431, 1451, 1471, 1491, 1511, 1571, 1591, 1611 UPG Port for C-Band, dual TP EXP, OTD	CKXB308BJ-ZZE50

Shipping Information

Units Per Delivery
1/1

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