

# Lightguide Distribution Center (LDC) DWDM Module, LGX-Compatible, 12 Channel, 50-61

Corning offers a variety of DWDM 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: DKXB31A125000ZZE5N

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	DWDM modules
Fiber Category	Single-mode (OS2)

## Mechanical Specifications

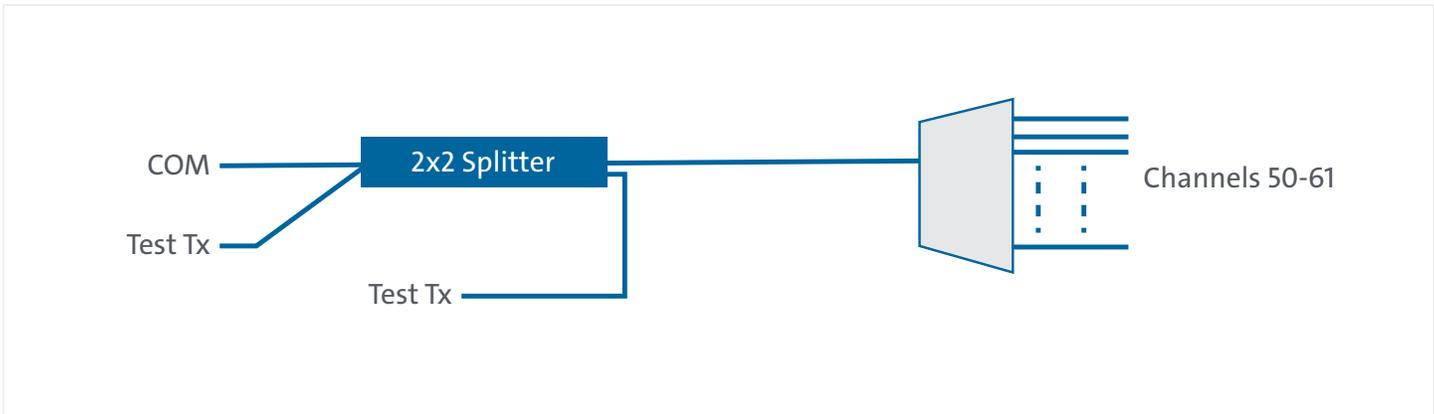
Connector Configuration	LC APC
Housing Color	Platinum
Housing Type	LDC
Package Dimensions	Half-depth LGX
Tensile Load (N)	Minimum 5
Fiber Type	Corning® SMF-28e+® or equivalent
ITU Channels	50-61

## Optical Performance Characteristics

Channel Spacing	100 GHz		
ITU Channels	50-61		
Parameter	Minimum	Typical	Maximum
DWDM Passband Width (nm)	$\lambda_{ITU} \pm 0.125$		
DWDM Channel Insertion Loss (dB)			3.7
DWDM Passband Ripple (dB)			0.5
DWDM Insertion Loss Uniformity (dB)			2.0
Test Point Insertion Loss (dB)			15.5
DWDM Adjacent Channel Isolation (dB)	30		
DWDM Nonadjacent Channel Isolation (dB)	45		
Return Loss (dB)	45		
DWDM Port Directivity (dB)	55		
PDL (dB)			0.3
PMD (ps)			0.25
Optical Power (mW)			300

## Environmental Specifications

Operating Temperature Range (°C)	-20		+65
Operating Humidity (% RH)	5		95
Storage Temperature (°C)	-40		+85



Optical Layout

## Ordering Information

Description	Part Number
DWDM, LGX, LC APC, 100 GHz, mux, 12 channel, ITU 50-61, test TX port, test RX port	DKXB31A125000ZZE5N

## Shipping Information

Units Per Delivery
1/1



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