

CORNING

Lightguide Distribution Center (LDC) DWDM Module, LGX-Compatible, 20 Channel, 20-39

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: DKXB31A202000ZZB50

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

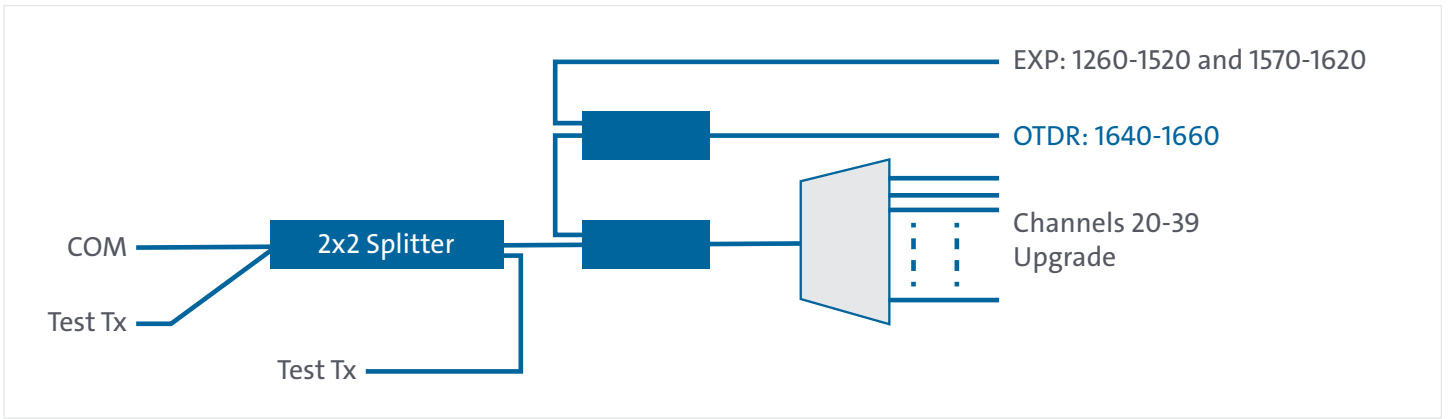
Specifications

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	1U LGX, extended height
Tensile Load (N)	Minimum 5
Fiber Type	Corning® SMF-28e+® or equivalent
ITU Channels	20-39

Optical Performance Characteristics			
Channel Spacing	100 GHz		
ITU Channels	Channels 20-39		
Parameter	Minimum	Typical	Maximum
DWDM Passband Width (nm)	$\lambda_{ITU} \pm 0.125$		
Upgrade Port Wavelength (nm)	Unused channels within Channels 20-59		
Express Port Wavelength (nm)	1260-1520 and 1570-1620		
OTDR Port Wavelength (nm)	1640-1660		
DWDM Channel Insertion Loss (dB)			4.5
Upgrade Port Insertion Loss (dB)			4.1
Express Port Insertion Loss (dB)			2.5
DWDM Passband Ripple (dB)			2.5
DWDM Insertion Loss Uniformity (dB)			0.5
Test Point Insertion Loss (dB)			15.5
DWDM Adjacent Channel Isolation (dB)	30		
DWDM Nonadjacent Channel Isolation (dB)	45		
Upgrade Port Isolation (dB)	12		
Express Channel Isolation (dB)	12		
Return Loss (dB)	45		
DWDM and OTDR Port Directivity (dB)	55		
Express and Upgrade Port Directivity (dB)	45		
PDL (dB)			0.30
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 100 GHz 20-Channel DWDM, UPG, express, OTDR, dual test, LGX	DKXB31A202000ZZB50

Shipping Information

Units Per Delivery
1/1



CORNING

Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

Corning Optical Communications reserves the right to improve, enhance, and modify the features and specifications of Corning Optical Communications products without prior notification. A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/trademarks. All other trademarks are the properties of their respective owners. Corning Optical Communications is ISO 9001 certified. © 2019 Corning Optical Communications. All rights reserved. CRR-1109-AEN / May 2019