

Product Bulletin

New



LGX 15 SC DWDM Cassette

Dense Wavelength Division Multiplexing

The LGX 15 SC DWDM conserves fiber and eliminates fiber exhaust.

The JDS Uniphase LGX 15 SC DWDM cassette is a low cost, effective solution to fiber exhaust which allows 13 ITU, 200 GHz spaced channels to be multiplexed onto one fiber. It incorporates low loss, passive narrow band filters into a standard LGX case for ease of deployment. Channel plans can be suited to meet specific customer requirements. Optical monitoring of the common fiber is possible via an SC port.

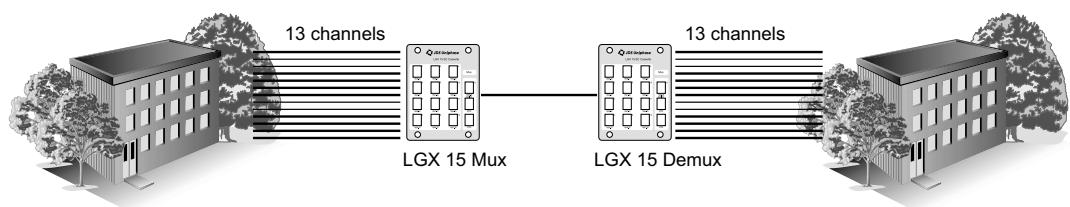
The LGX 15 SC DWDM cassette has been designed to interface with the ITU transponder cards of widely available transmission equipment. It has been designed for high performance and reliability and is your low cost solution to fiber exhaust.

Key Features

- Multiplex 13 ITU, 200 GHz spaced channels onto one fiber
- Interfaces with widely available ITU transponder cards
- Can be used instead of expensive DWDM systems
- Optical monitoring of all active channels
- High isolation, low insertion loss
- Fits standard LGX configurations
- Small, compact packaging
- Passive optics

Applications

- Fiber conservation using passive dense wavelength division multiplexing technology



Specifications

Parameter	Multiplex and DeMultiplex, for All Channels	
	Minimum	Maximum
End-to-end insertion loss ¹	—	9.3 dB
Passband at -0.5 dB, center wavelength	±0.20 nm	-
Flatness	—	±0.5 dB
Isolation for adjacent channel	25 dB	—
Isolation for non-adjacent channel	35 dB	—
PDL — 0.2 dB	—	0.2 dB
Optical return loss	35 dB	—
Dimension (W x H x D)	84.1 x 129.5 x 160.5 mm (3.3 x 5 x 6.3 in), 3U high LGX box	
Weight	0.5 kg	
Optical connector	SC/PC bulkhead, all ports	
Operating temperature	-5 to 55 °C	
Storage temperature	-40 to 85 °C	
Humidity	maximum 85% RH, non condensing	

1. When the LGX 15 SC multiplex cassette and the LGX 15 SC demultiplex cassette are used as a pair.

Ordering Information

For more information on this or other products and their availability, please contact your local JDS Uniphase sales representative or JDS Uniphase directly at 613 727-1303, by fax at 613 727-8284, or via e-mail at sales@jdsuniphase.com. Visit our Web site at www.jdsuniphase.com.

Part Number	CLEI Code	Model
540.100.006	WMMC26EBRA	LGX 15 SC DWDM Cassette, Multiplex
540.200.006	WMMC36EBRA	LGX 15 SC DWDM Cassette, Demultiplex



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