

LX4 Wavelength Division Multiplexer – LX4 WDM

> mux or demux, 4 channels

Features

- Devices may be used as multiplexer or demultiplexer
- Micro-hybrid construction in a sealed metal housing
- Epoxy-free optical path
- Extremely small component dimensions: 19 x 15.5 x 9 mm³, other dimensions on request
- Single mode and multi mode fibers possible, fiber packaging: loose tube or 250 µm coating

Applications

- Combines / separates 4 channels in accordance to the LX4 standard grid
- Metro Core, Metro Access, Metro Enterprise, Cable TV, 3G Telephony (UMTS), Datacomm, WAN, RFTS, Sensor Applications
- Digital transmission systems

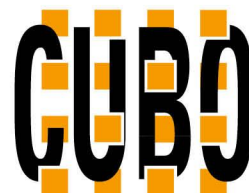
Specifications

Parameters	LX4 Wavelength Division Multiplexer – mux/demux (all values refer to single mode)		
Channels	4		
Center Wavelength [nm]	1275.7 / 1300.2 / 1324.7 / 1349.2		
Optical Bandwidth	> 13.4 nm		
Insertion Loss *	4 channel CWDM	Standard < 1.9 dB	Premium < 1.7 dB
Isolation **	adjacent channel	> 30 dB	
	non-adjacent channel	> 40 dB	
	Isolation Spectral Range	1260-1460 nm	
Return Loss *	> 45 dB (50 dB typ.)		
Directivity	> 50 dB		
Polarization Dependent Loss	< 0.2 dB		
Max. optical power	250 mW		
Operating Temperature	0°C to 70°C (-40°C to 85°C on request)		
Storage Temperature	-40°C to 85°C (when removed from plastic package)		
Package Dimensions	19 x 15.5 x 9 mm ³		

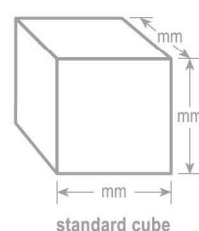
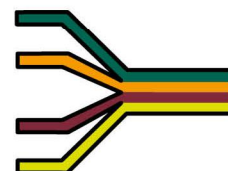
* With passband, valid over full temperature range and at all states of polarization but without connector losses.

** Valid over full temperature range and at all wavelengths across the channel.

Additional components according to your specifications on request! Please contact Cube Optics for further details.



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Indicate your requirements by selecting one option from each configuration table. Please write the corresponding codes in the available boxes to form your part number. For more information on this or other products and their availability, please contact Cube Optics AG at +49-6131-69851-0 or via e.mail at sales@cubeoptics.com, or visit our website at www.cubeoptics.com.

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Further configuration on request!

Typical spectrum of similar CWDM 4 channel mux.

Screw - DIN912 - M2.5x10

max. 1300

24.3

20.5

15.5

19

14

9

units (mm)

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