Dense Wavelength Division Multiplexer - DWDM



Features

- Equal losses for de- or multiplexing applications, devices may be used as multiplexer or de-multiplexer
- Upgrade channel available
- Micro-hybrid construction in a sealed metal housing
- Epoxy-free optical path
- Extremely small component dimensions: 15 x 15 x 15 mm³, other dimensions on demand
- Flexible Fiber Connection Technology (FFCT), for details see Products page
- All types of single mode fibers possible
- ITU-grid
- Fiber packaging: loose tube or 250µm coating

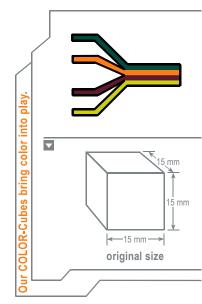
Applications

- Bi-directional or unidirectional systems
- Combines / separates up to 4 channels with a channel spacing of 200 GHz
- Cable TV, Metro Core, Metro Access, Metro Enterprise, WAN, RFTS

Specifications		
Parameters	Dense Wavelength Division Multiplexer – DWDM	
Channels	add-drop, 4, or 4 plus upgrade	
Channel spacing	200 GHz	
Center wavelengths	ITU-grid channels of C-, L- band	
Insertion loss*	4-channel DWDM add-drop DWDM	< 3 dB < 2 dB
Isolation**	adjacent channel non-adjacent channel	> 25 dB > 40 dB
Return loss *	> 50 dB	
Directivity	> 50 dB	
Polarization dependent loss	< 0.2 dB	
Operating temperature	0°C – 70°C	
Storage temperature	-45°C – 85°C	
Package dimensions	15 x 15 x 15 mm³	

^{*} It is the max. loss at entire wavelength range, valid over full temperature range and at all states of polarization but without connector losses.

Additional components according to your specifications on demand!





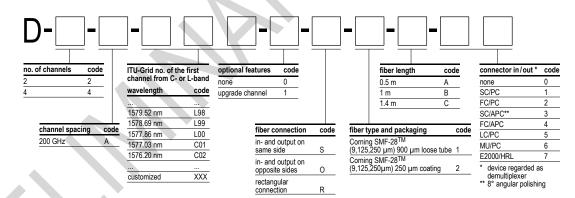
^{**} Valid over full temperature range and at all wavelengths across the channel



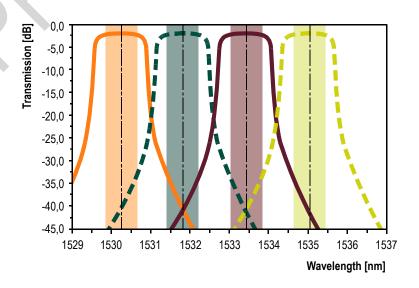
Ordering Information

Indicate your requirements by selecting one option from each configuration table. Please print 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 - 6131-698510 or via e.mail at sales@cubeoptics.com, or visit our website at www.cubeoptics.com.

Ordering example: D-4-A-L88-0-S-2-B-15



Spectral Performance



Robert-Koch-Strasse 30 D-55129 Mainz Germany

Tel.: +49-6131/69851-0 Fax: +49-6131/69851-79 e.mail: info@cubeoptics.com

Corporate Office:

Cube Optics AG

Technical Support

Cube Optics AG - Sales Office Munich Ganghoferstr. 3a D-82216 Maisach-Gernlinden Germany

Tel.: +49-8142/4453-81 Fax: +49-8142/4453-82 e.mail:sales@cubeoptics.com

