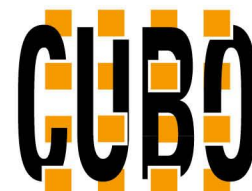


Coarse Wavelength Division Multiplexer – CWDM

> CWDM bandsplitter 10+8 skip 0, hi-iso



Features

- CWDM bandsplitter to split and combine 18 CWDM channels in two ports
 - Blue Band: 10 channels 1271 – 1451 nm
 - Red Band: 8 channels 1471 – 1611 nm
- High Isolation between red and blue band
- Micro-hybrid design in a sealed metal housing (COLOR-Cubes)
- Epoxy-free optical path, ITU G.694.2 and Telecording GR1221 compliant
- Extremely small component dimensions: 19 x 15.5 x 9 mm³, other dimensions on request
- Also available as integrated Patch Cord CWDM for flexible system configurations to enable multiplexing without using any board space
- Single mode and multi mode fibers possible, fiber packaging: loose tube or 250 µm coating
- Packaging on line card or in CWDM sub-system for rack mounting on request

Applications

- Combines / separates 2 bands of the CWDM channel grid
- Metro Core, Metro Access, Metro Enterprise, Cable TV, 3G Telephony (UMTS), Datacomm, WAN, RFTS, Sensor Applications
- Analog and digital transmission systems

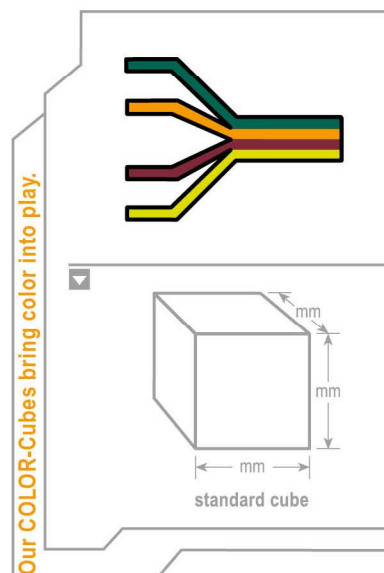
Specifications

Parameters	Coarse Wavelength Division Multiplexer – 10+8 skip 0 (all values refer to single mode)	
Channels	separation / combination of 2 bands	
Center Wavelength [nm]	Port 1: Red Band Port 2: Blue Band	1471 / 1491 / 1511 / 1531 / 1551 / 1571 1591 / 1611 1271 / 1291 / 1311 / 1331 / 1351 / 1371 / 1391 / 1411 / 1431 / 1451
Optical Bandwidth (Channel Width @ 0.5dB)	1271 - 1451 nm 1471 - 1531 nm 1551 - 1611 nm	> 13 nm > 14 nm > 15 nm
Insertion Loss *	< 1.5 dB	
Isolation **	> 30 dB Isolation Spectral Range	1260-1620 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	
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!

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