COLOR Cubes



Coarse Wavelength Division Multiplexer – CWDM mux or demux, 4 channels, multi mode

Features

- · Devices may be used as multiplexer or de-multiplexer
- · Upgrade channel, integrated bandsplitters and tap ports available
- Multi mode fiber GI 62.5 or GI 50
- · 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
- RoHS compliant per EU Directive 2002/95EC
- · UL 94 V0 flammability rating
- Tested in accordance with Telcordia GR-1209/1221, uncontrolled environment
- · Fit for outside plant deployment

Applications

- Combines / separates up to 4 channels with a 20 nm spacing
- · Metro Core, Metro Access, Metro Enterprise, Cable TV, 3G Telephony (UMTS), Datacomm, WAN, RFTS, Sensor Applications
- · Analog and digital transmission systems

Specifications

Parameters Channels		Coarse Wavelength Division Multiplexer – mux/demux (all values refer to multimode) 4, 4+ upgrade			
	Band 1 (red band)	1471 / 1491 / 1511 / 1531 / 1551 / 1571 / 1591 / 1611			
Band 2 (blue band)		1271 / 1291 / 1311 / 1331 / 1351 / 1371 / 1391 / 1411 / 1431 / 1451			
		Upgrade: remaining wavelengths of band			
		other wavelength upon request; please contact CUBO			
Optical Bandwidth		> 13 nm (higher bandwidth on request)			
Insertion Loss *	*	4 channel CWDM	Standard < 1.9 dB	Premium < 1.7 dB	
		4+ upgrade channel CWDM	Standard < 2.0 dB	Premium < 1.8 dB	
Isolation **		adjacent channel	> 30 dB		
		non-adjacent channel	> 40 dB		
		Isolation Spectral Range Band 1 (red)	1460-1620 nm		
		Isolation Spectral Range Band 2 (blue)	1260-1460 nm		
Return Loss *		> 10 dB			
Directivity (for mux)		> 40 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.

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



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

COLOR Cubes

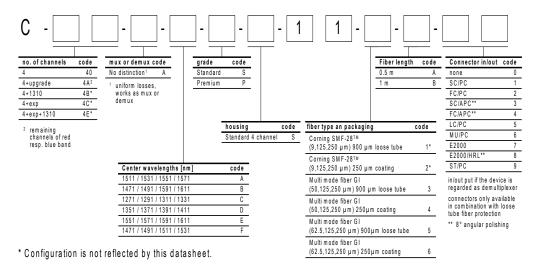


Coarse Wavelength Division Multiplexer – CWDM mux or demux, 4 channels, multi mode

Ordering Information

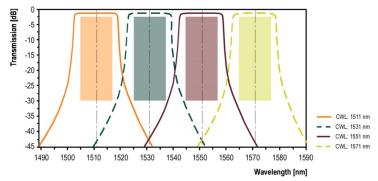
Please select an option from each configuration table and write the corresponding codes in the applicable boxes to create the part number.

Ordering example: C-40-A-A-S-S-11-3-B-15

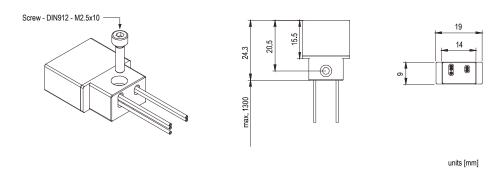


Spectral Performance

Further configuration on request!



Standard 4 channel housing



HUBER+SUHNER Cube Optics AG Eindhoven-Allee 3 55129 Mainz, Germany

+49-6131-4995-100 sales.cubo@hubersuhner.com

www.hubersuhner.com www.cubeoptics.com