COLOR Cubes



Wavelength Division Multiplexer – LAN WDM mux or demux, 4 channels (Reduced size)

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: 17.1 x 12.5 x 6.5 mm³, other dimensions on request
- Fiber packaging: loose tube or 250 µm coating

Applications

- Combines / separates 4 channels with a LAN WDM spacing
- Optimized package for CFP and CFP8 transceiver modules
- According to 100 Gbps IEEE 802.3ba and 400Gbps IEEE 802.3bs LR8/FR8.

Specifications

Parameters	Wayalangth Division Multiplayor - muy/damuy	
raiailleteis	Wavelength Division Multiplexer – mux/demux	
Channels	4	
Operating Channels	(According to cole_01_0708 IEEE 802.3ba and 400GBASE LR8/FR8 IEEE 802.3bs)	
	P	U
L0-L3	1295.56 / 1300.05 / 1304.58 / 1309.14 nm	1273.55 / 1277.89 / 1282.26 / 1286.66 nm
Optical Bandwidth	(According to cole_01_0708 IEEE 802.3ba and 400GBASE LR8/FR8 IEEE 802.3bs)	
LO	1294.53 - 1296.59 nm	1272.55 - 1274.54 nm
L1	1299.02 - 1301.09 nm	1276.89 - 1278.89 nm
L2	1303.54 - 1305.63 nm	1281.25 - 1283.28 nm
L3	1308.09 - 1310.19 nm	1285.65 - 1287.69 nm
Insertion Loss *	4 channel LAN WDM Standard < 2.0 dB	Premium < 1.5 dB
Isolation **	adjacent channel > 25 dB for demux	> 15 dB for mux
	non-adjacent channel > 35 dB for demux	> 15 dB for mux
Return Loss *	> 45 dB (50 dB typ.)	
Directivity	> 50 dB	
Polarization Dependent Loss	< 0.5 dB	
Max. optical power	250 mW	
Operating Temperature	-5°C to 75°C	
Storage Temperature	-40°C to 85°C (when removed from plastic package)	
Package Dimensions	17.1 x 12.5 x 6.5 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.

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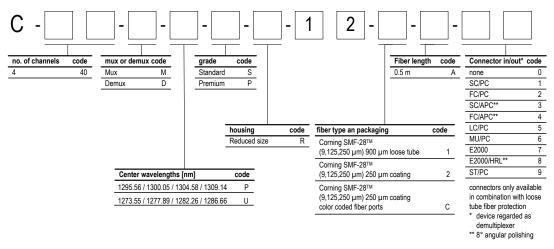


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Ordering Information

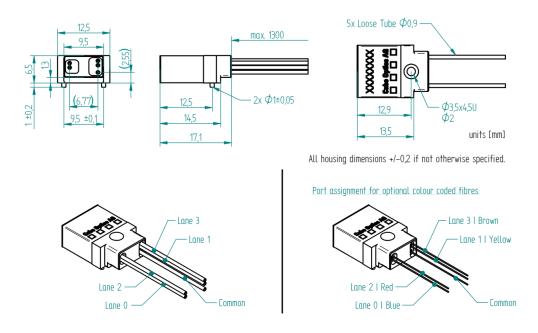
Please select an option from each configuration table and write the corresponding codes in the applicable boxes to create the part number.

Ordering example: C-40-M-P-S-R-12-1-A-15



Further configuration on request!

Reduced size 4 channel housing



HUBER+SUHNER Cube Optics AG is certified according to ISO 9001.

WAIVER

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.

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

phone: +49-6131-4995-100 fax: +49-6131-4995-179 sales.cubo@hubersuhner.com

www.hubersuhner.com www.cubeoptics.com