Coarse Wavelength Division Multiplexer – CWDM > mux or demux, 4 channels (reduced size)

CUBD

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

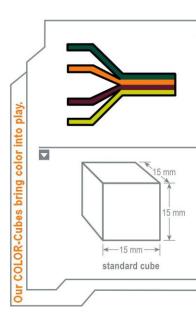
- Combines / separates 4 channels with a 20 nm spacing
- Optimized package for CFP transceiver modules
- According to 40 Gbps IEEE 802.3ba standard

| Specifications | | | | | |
|----------------|--|--|--|--|--|
| | | | | | |
| | | | | | |

| Parameters | Coarse Wavelength Division Multiplexer – mux/demux (all values refer to single mode) | | | |
|-----------------------------|--|------------------------------------|------------------|--|
| Channels | 4 | | | |
| Center Wavelength [nm] | 1271 / 1291 / 1311 / 1331 other wavelength upon request; please contact CUBO | | | |
| Optical Bandwidth | > 13 nm (higher bandwidth on request) | | | |
| Insertion Loss * | 4 channel CWDM | Standard < 2.0 dB | Premium < 1.5 dB | |
| Isolation ** | adjacent channel non-adjacent channel Isolation Spectral Range | > 30 dB > 40 dB 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 | -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.

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



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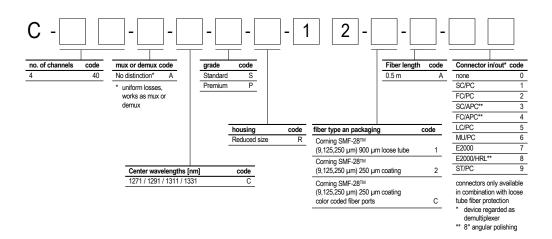
^{**} Valid over full temperature range and at all wavelengths across the channel.

Ordering Information



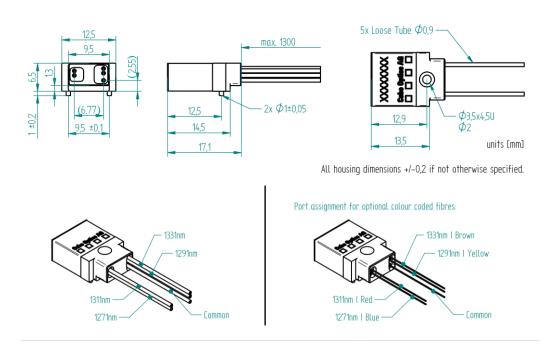
Indicate your requirements by selecting one option from each configuration table. Please write the corresponding codes in the available boxes to form your part number. For more information on this or other products and their availability, please contact Cube Optics AG at +49-6131-69851-0 or via e.mail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

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



Further configuration on request!

Reduced size 4 channel housing



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