

Features

- Device works as a multiplexer, demultiplexer or in a bidirectional single fiber link
- Multiplexer and Demultiplexer paired for lowest link loss
- Micro-hybrid design in a sealed metal housing
- Epoxy free optical path
- 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 8 channels with a 20 nm spacing
- Ultra low insertion loss for long distance applications
- Metro Core, Metro Access, Metro Enterprise, Cable TV, 3G Telephony (UMTS), Datacomm, WAN, RFTS, Sensor Applications
- Analog and digital transmission systems

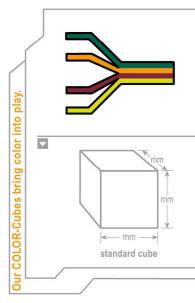
Specifications

| Parameters | Coarse Wavelength Division Multiplexer - mux/demux (all va | alues refer to single mode) |
|--------------------------------|--|--|
| Channels | 8 | |
| Center Wavelength [nm] | 8 channels in band 1 (red band) 1471 / 1491 / 1511 / 1531 / 1551 / 1571 / 1591 / 1611 other wavelength upon request; please contact CUBO | |
| Optical Bandwidth | > 13 nm (higher bandwidth on request) | |
| Insertion Loss * | 1.3 dB | |
| Link Loss * for mux – demux pa | air 2.6 dB | |
| Isolation ** | adjacent channel non-adjacent channel Isolation Spectral Range Band 1 (red) Isolation Spectral Range Band 2 (blue) | > 30 dB > 40 dB 1460-1620 nm 1260-1460 nm |
| Return Loss * | > 45 dB (50 dB typ.) | |
| Directivity (for mux) | > 50 dB | |
| Polarization Dependent Loss | < 0.2 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.

** 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.



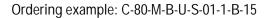
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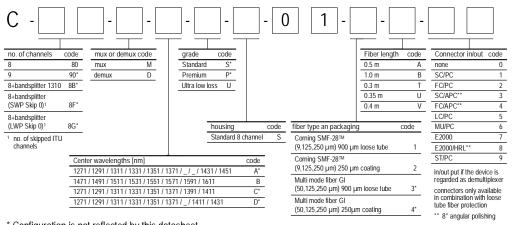


Ordering Information



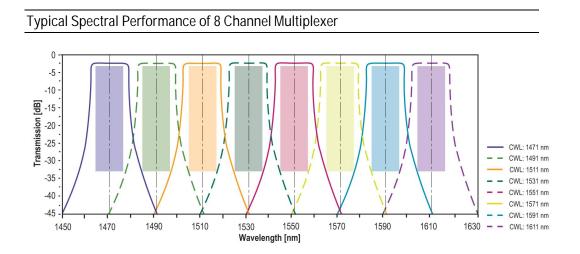
Indicate your requirements by selecting one option from each configuration table. Please write the corresponding codes in the available boxes to form your part number. For more information on this or other products and their availability, please contact Cube Optics AG at +49-6131-69851-0 or via e.mail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



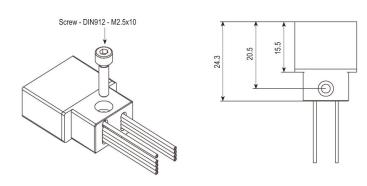


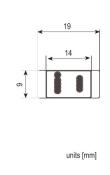
* Configuration is not reflected by this datasheet.

Further configuration on request!



Standard 8 channel housing





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