

Coarse Wavelength Division Multiplexer – CWDM mux or demux, 8 channels, multi mode

Features

- Device works as a multiplexer, demultiplexer or in a bidirectional single fiber link
- Multiplexer and Demultiplexer paired for lowest link loss
- Multi mode fiber GI 62.5 or GI 50
- 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
- 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 | |
|---|---|--------------|
| Channels | 8 | |
| Center Wavelength [nm] | 8 out of 10 adjacent channels | |
| 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 | |
| | other wavelength upon request; please contact CUBO | |
| Optical Bandwidth | > 13 nm (higher bandwidth on request) | |
| Insertion Loss * | Standard < 3.2 dB | |
| Link Loss * for mux – demux pair | Standard > 4.9 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.

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

