

coarse wavelength division multiplexers

Product information

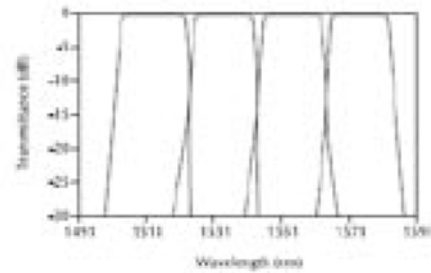
The multiplexer module combines several wavelengths (channels) traveling in each separate single mode fibre into one single mode fibre, and the same module separates each specific wavelengths traveling in the common single mode fibre into wavelength, each traveling in a separate singlemode fibres.



The CWDM Modules are based on thin-film filter technology. This proven technology offers wide channel bandwidth, flexible channel configuration, low insertion loss and high isolation.

The CWDM modules are especially designed for WDM systems, metro networks, and CATV Systems.

SC/APC is used as standard. Other connector types on request.



| Data | | | DKT CWDM 2 | DKT CWDM 4+1 | DKT CWDM 8+1 |
|--|-----------------------|-------|-------------------------|-------------------------|-------------------------|
| Channel Number | ---- | | 3 (1310 + 2 x optional) | 5 (1310 + 4 x optional) | 9 (1310 + 8 x optional) |
| Center Wavelength | nm | | 1310-1610 | | |
| Channel Spacing | nm | | 20 | | |
| Channel Pass Band (-0.5dB Bandwidth) | Min. | nm | ±6.5 | | |
| Insertion Loss | Typ. | dB | 0.6 | 1.0 | 1.8 |
| | Max. | dB | 0.8 | 1.2 | 2.1 |
| Link Loss With Mux & Demux Combination | Max. | dB | 1.2 | 2.0 | 3.6 |
| Pass Band Flatness | Max. | dB | 0.3 | | |
| Channel Uniformity | Max. | dB | 0.5 | | |
| Isolation | Adjacent Channels | Min. | dB | 30 | |
| | Non-adjacent Channels | Min. | dB | 50 | |
| Directivity | Min. | dB | 50 | | |
| Optical Return Loss | Min. | dB | 45 | | |
| PDL | Max. | dB | 0.1 | | |
| Thermal Stability | Max. | dB/°C | 0.006 | | |
| Thermal Wavelength Drift | Max. | nm/°C | 0.003 | | |
| Operating Temperature | | °C | 0 to 65 | | |
| Storage Temperature | | °C | -40 to 85 | | |
| Package Dimension | | mm | 80x60x12 | | |
| Maximum Power Handling | | mW | 300 | | |

Note: All specifications referenced without connector