

CWDM Module

1. Description:

CWDM module are cascaded with 1×2 CWDM components. It features wide pass band, low insertion loss, high channel isolation, high stability and reliability.

2. Features:

- * Wide pass band
- * High isolation
- * Low insertion loss
- * High stability and reliability



3. Applications:

- * CWDM systems

4. Specifications:

| Type | | 4 Channels | 8 Channels | 16 Channels |
|---|----------------------------|--|------------|-------------|
| Parameter | | | | |
| Central wavelength (nm) | | 1271, 1291, 1311, 1331, 1351, 1371, 1391, 1411, 1431, 1451, 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611 | | |
| Operating wavelength (nm) | | 1260~1460 or 1460~1620 or 1260~1620 | | |
| Insertion loss (dB) | | ≤1.8 | ≤2.5 | ≤3.5 |
| Channel space (nm) | | 20 | | |
| Channel bandwidth (nm) | | $\lambda_c \pm 6.5$ | | |
| Channel flatness (dB) | | ≤0.4 | | |
| Channel uniformity (dB) | | ≤1.0 | | |
| Isolation (dB) | Demux adjacent channel | ≥30 | | |
| | Demux non-adjacent channel | ≥40 | | |
| | Mux or Reflection channel | ≥15 | | |
| Directivity (dB) | | ≥55 | | |
| Return loss (dB) | | ≥50 | | |
| PDL (dB) | | ≤0.15 | | |
| PMD (ps) | | ≤0.1 | | |
| Wavelength thermal stability (nm/) | | ≤0.003 | | |
| Insertion loss thermal stability (dB/) | | ≤0.005 | | |
| Power handling (mW) | | ≤500 | | |
| Operating temperature () | | 0 ~ +70 | | |
| Storage temperature () | | -40 ~ +85 | | |
| Dimensions (mm) | | 100×80×10 | 125×96×16 | 141×115×18 |

*The above specification is without connector

**Other specifications can be made on customer request.

5. Product Ordering Information:

CWDM-X-XXX-TXXXXX-/XXXX~XXXX-X-XX/XXX-XX*XX

