

Overviews

CWDM - coarse wavelength division multiplexer utilizes thin film coating technology and proprietary design of non-flux metal bonding micro optics packaging . It provides low insertion loss , high channel isolation , wide pass band , low temperature sensitivity and epoxy free optical path .

Feature

- Low Insertion Loss , Wide pass band
- 4channel , 8 channel , 16 channel , 18 channel
- High Stability and ralability



Specification

| Parameter | | 4 Channel | 8 Channel | 16 Channel | 18 Channel |
|--|------------------------|--------------------------------|-----------|------------|------------|
| Channel Wavelength (nm) | | 1270~1610/1271~1611 | | | |
| Center Wavelength Accuracy (nm) | | ±0.5 | | | |
| Channel Spacing (nm) | | 20 | | | |
| Channel Passband (-0.5dB bandwidth (nm)) | | +/-7.5/+/-6.5 | | | |
| Insertion Loss (dB) | | ≤1.5 | ≤2.5 | ≤3.5 | ≤3.5 |
| Channel Uniformity (dB) | | ≤0.6 | ≤1.0 | ≤1.5 | ≤1.5 |
| Channel Ripple (dB) | | 0.3 | | | |
| Isolation (dB) | Adjacent | >30 | | | |
| | Non-adjacent | >40 | | | |
| Isolation(dB) | Express with filter | >30 | | | |
| | Express without filter | >12 | | | |
| Insertion Loss Temp. Sensitivity (db/°C) | | <0.005 | | | |
| Wavelength Temp. Shifting(nm/°C) | | <0.002 | | | |
| Polarization Dependent Loss(dB) | | <0.1 | | | |
| Polarization Mode Dispersion | | <0.1 | | | |
| Directivity (dB) | | >50 | | | |
| Return Loss (dB) | | >45 | | | |
| Maximum Power Handing (mW) | | 300 | | | |
| Operation Temp. (°C) | | -40~+85 | | | |
| Storage Temp. (°C) | | -40~+85 | | | |
| Dimension | | Based on the different channel | | | |

Order Information

| CG | BOX | 4C | MUX | SCA | 3.0 | 1.5 |
|----------------|------------------------|---|---------------------------|--|--|--|
| CG= CWD M Grid | BOX= 19 inch metal box | 4C=4 channel 8C=8 channel 16c=16 channel ... | MUX Or Dumex ... | 0=No connector SCA=SC/APC SCU=SC/UPC FCA=FC/APC | 0.25=250u m 0.9=900um 2.0=2.0mm 3.0=3.0mm | 0.5=0.5m 1=1m 1.5m=1.5m 3=3m ... |