

M-CT THIN FILM COARSE WDMS

Features:

- Environmentally stable
- Easy installation
- Custom-defined specifications
- Low return loss
- Low loss, low cross-talk
- ITU standard

Applications:

- Telecommunications
- Local area network
- CWDM & FTTH



Performance Specifications:

ITEM	4/8/16 Channel Coarse WDM	
Type	Mux	Demux
Channel No.	4 / 8 / 16 or Customer Specify	
Center Wavelength, nm	ITU Channel 1270-1610 (or 1271-1611)	
Channel Spacing, nm	20	
Passband @0.5dB, nm	ITU±6.5 or Customer Specify	
Insertion Loss, dB for 4 channel	≤1.6	
Insertion Loss, dB for 8 channel	≤2.5	
Insertion Loss, dB for 16 channel	≤3.5	
Adjacent Channel Isolation, dB	N / A	≥30
Non-adjacent Channel Isolation, dB	N / A	≥40
Uniformity, dB	≤1.5 (Mux -Demux pair only)	
Directivity, dB	≥50	
Optical Input Return Loss, dB	≥45	
Polarization Dependent Loss, dB	≤0.1	
Polarization Mode Dispersion (PMD), ps	≤0.1	
Thermal Stability, dB / °C	≤0.005	
Thermal Stability Drift, pm / °C	≤5	
Max. Optical Power, mW	300	
Max. Tensile Load, N	5	
Storage Temperature, °C	-40 ~ 85	
Operating Temperature, °C	0 ~ 70	
Package Size, mm ³	M4 (1 x 4, 1x8 standard); M5 (1 x 16 standard, Mux+Demux 1 x 8 standard), A2, A3	

* Without Connector Loss

THIN FILM COARSE WDMS

Ordering Information:

M - CT - - - - - - - / - 1

Type

- M Mux
- D Demux
- I Mux/Demux

Package Option (for both ends)

- C Coated fiber (250μm)
- L Loose tube cable (900μm)
- X Others, please specify

No. of Channels

- 4 4 channel
- 8 8 channel
- S 16 channel
- X Others, please specify

Central Wavelength

- 1 1511/1531/1551/1571 for 4 channels
- 2 1501/1521/1541/1561 for 4 channels
- 3 1471/1491/1511/1531/1551/1571/1591/1611 for 8 channels
- S 1311/1331/1351/1371/1411/1431/1451/
1471/1491/1511/1531/1551/1571/1591/1611 for 16 channels
- XX Others, please specify

Pigtail Length

- | | | | |
|----|-----------|----|------------------------|
| 10 | 1 meter | 05 | 0.5meter |
| 20 | 2 meter | 15 | 1.5meter |
| 00 | Modulized | XX | Others, please specify |

Connector Type (Common / Output)

- | | | | |
|----|------------------------|----|-------------|
| FC | FC type | AP | FC/APC type |
| SC | SC type | AS | SC/APC type |
| ST | ST type | MU | MU type |
| LC | LC type | NC | None |
| XX | Others, please specify | | |