

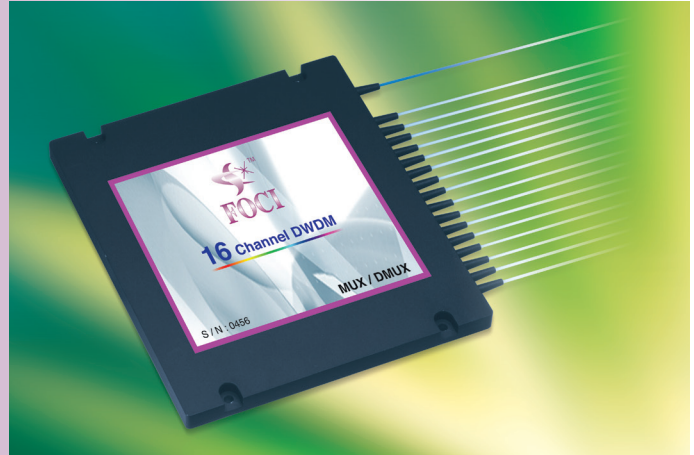
M-DT-1 100 GHz DENSE WDMs

Features:

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

Applications:

- Telecommunications
- Local area network
- DWDM & FTTH



Performance Specifications:

| ITEM | 100 GHz DWDM | |
|--|--|-----------|
| | Mux | Demux |
| Type | | |
| Channel No. | 4 / 8 / 16 | |
| Center Wavelength, nm | Ch 21~60 or ITU Standard (customer specify) | |
| Channel Spacing, nm | 0.8 | |
| Channel Spacing, GHz | 100 | |
| Passband @0.5dB, nm | ITU \pm 0.1 | |
| Insertion Loss, dB for 4 channel | \leq 2.0 | |
| Insertion Loss, dB for 8 channel | \leq 3.5 | |
| Insertion Loss, dB for 16 channel | \leq 4.5 | |
| Adjacent Channel Isolation, dB | N / A | \geq 25 |
| Non-adjacent Channel Isolation, dB | N / A | \geq 35 |
| Uniformity, dB | \leq 1.5(Mux-Demux Pair only) | |
| Directivity, dB | \geq 45 | |
| Optical Input Return Loss, dB | \geq 45 | |
| Polarization Dependent Loss, dB | \leq 0.15 | |
| Polarization Mode Dispersion (PMD), ps | \leq 0.1 | |
| Thermal Stability Drift, pm / °C | \leq 1 | |
| 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

100 GHz DENSE WDMS

Ordering Information:

M - DT - 1 - □ - □ - □ - □ - □□ - □□ / □□ - 1

Channel Spacing

- 1 100 GHz
- X Others, please specify

Type

- M Mux
- D Demux
- I Mux/Demux

Package Option (for both ends)

- | | | | |
|---|--------------------------|---|--|
| C | Coated SM fiber (250µm) | J | G. 657. A1 fiber |
| L | Loose tube cable (900µm) | K | Loose tube cable (900µm) with G. 657. A1 fiber |
| X | Others, please specify | | |

No. of Channels

- 4 4 channel, ITU Standard
- 6 6 channel, ITU Standard
- 8 8 channel, ITU Standard
- H 16 channel, ITU Standard
- X Others, please specify

Central Wavelength

- 1 Ch 21/22/23/24
- 2 Ch 25/26/27/28
- 3 Ch 29/30/31/32
- 4 Ch 33/34/35/36
- B Ch 43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58
- R Ch 21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36
- 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 | | |