

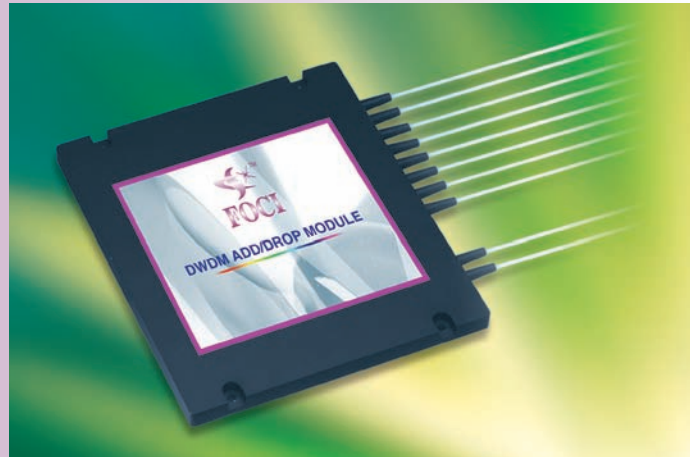
M-MD DWDM ADD/DROP MODULE

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



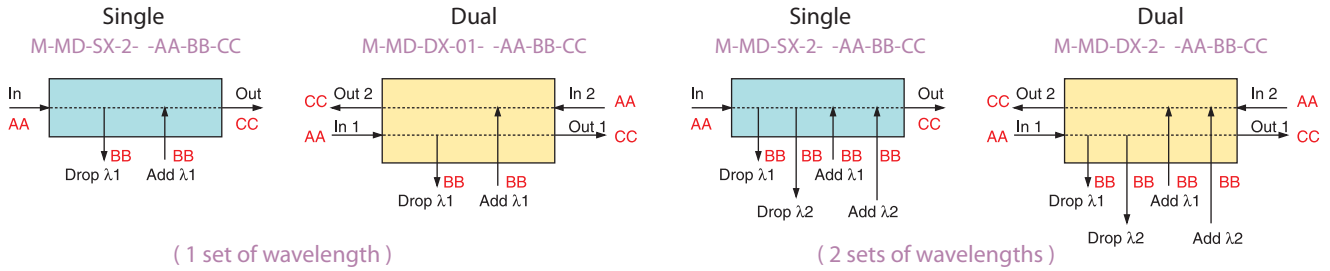
Performance Specifications:

ITEM	1/2/4/8 Channel DWDM Add/Drop Module	
Channel No.	1 / 2 / 4 / 8 or Customer Specify	
Central Wavelength, nm	Channel 21 to 60 or ITU	
Channel Spacing, nm	0.8 (100GHz)	1.6 (200GHz)
Pass Band @0.5dB	ITU \pm 0.1	ITU \pm 0.25
Operating Wavelength, nm	1500-1610	1500-1610
Insertion Loss (Com In \rightarrow N Drop Ch.)	$0.4 \times (N-1) + 1.0$	$0.4 \times (N-1) + 1.0$
Insertion Loss (M Add Ch. \rightarrow Com Out)	$0.4 \times (N-1) + 1.0$	$0.4 \times (N-1) + 1.0$
Insertion Loss (In \rightarrow Out)	$0.4 \times (N+M)$	$0.4 \times (N+M)$
Adjacent Channel Isolation	25	30
Non-Adjacent Channel Isolation	35	40
Thermal Stability, Wavelength Drift, pm / $^{\circ}$ C	≤ 1	≤ 2
Thermal Stability, Insertion Loss Variation	≤ 0.5 (over operating temperature)	
Directivity, dB	≥ 45 (for 100G) ; ≥ 50 (for 200G)	
Return Loss, dB	≥ 45	
Uniformity, dB	1.5 or Customer Specify	
Polarization Mode Dispersion (PMD), ps	≤ 0.15	
Polarization Dependent Loss, dB	≤ 0.1	
Max. Optical Power, mW	300	
Max. Tensile Load, N	5	
Storage Temperature, $^{\circ}$ C	-40 ~ 85	
Operating Temperature, $^{\circ}$ C	0 ~ 70	
Package Size, mm ³	M4 (1/2/4 channel standard), M5 (8 channel-single directional standard), A2, A3	

* Without Connector Loss

DWDM ADD/DROP MODULE

Structure:



Ordering Information:

M - MD - - - - - - / / - - 1

Channel Spacing

- S8 0.8nm, single directional
- D8 0.8nm, dual directional
- S6 1.6nm, single directional
- D6 1.6nm, dual directional

Sets of Wavelengths

- 01 1 set of Wavelength
- 02 2 sets of Wavelengths
- 04 4 sets of Wavelengths
- XX Others

Starting Wavelength

- | | |
|----------------------------|----------------------------|
| 21 ITU standard channel 21 | 22 ITU standard channel 22 |
| 23 ITU standard channel 23 | 24 ITU standard channel 24 |
| 25 ITU standard channel 25 | 26 ITU standard channel 26 |
| 27 ITU standard channel 27 | 28 ITU standard channel 28 |
| 29 ITU standard channel 29 | 30 ITU standard channel 30 |
| 31 ITU standard channel 31 | 32 ITU standard channel 32 |
| 33 ITU standard channel 33 | 34 ITU standard channel 34 |
| XX Others, please specify | |

Cable type (for both ends)

- C Singlemode bare fiber
- L Loose tube cable (900μm)
- X 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 (Input / Add & Drop / Output ports)

- | | |
|---------------------------|----------------|
| 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 | |

Package Type

- M4 M4 M5 M5 A2 A2 XX Others