

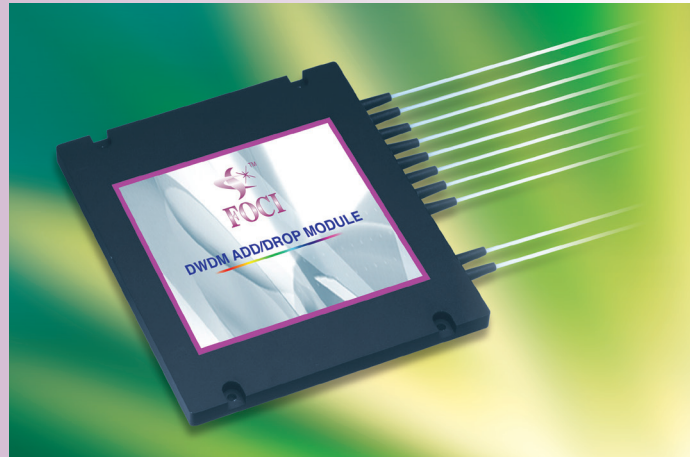
M-MD DWDM ADD/DROP MODULE

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



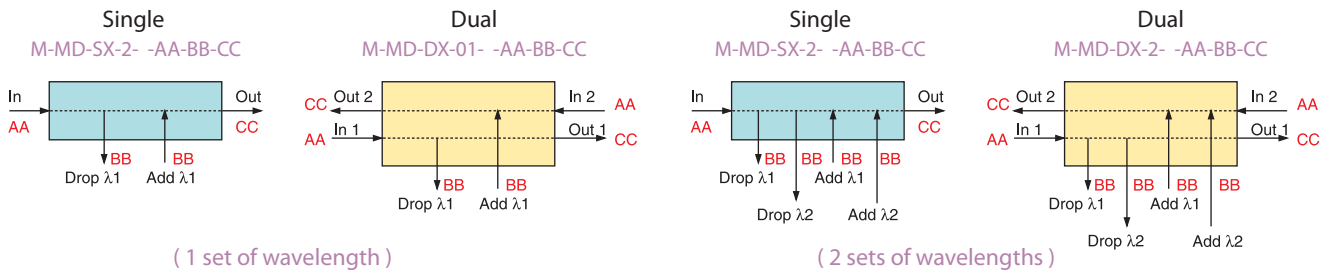
Performance Specifications:

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	J	G. 657. A1 fiber
L	Loose tube cable (900μm)	K	Loose tube cable (900μm) with G. 657. A1 fiber
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
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