

Dense Wavelength Division Multiplexer Module (4 Channel/8 Channel/16 Channel)

Features

Wide Pass Band
Low Insertion Loss
High Return Loss
Excellent Environmental Stability

Applications

DWDM Systems
Fiber Lasers
Research

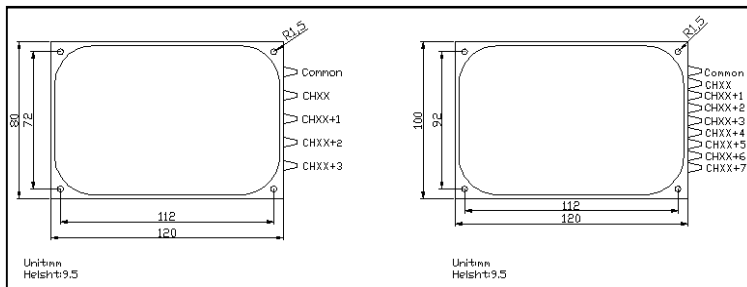
Specifications

Parameters	Unit	4-channels	8-channels	16- channels	4-channels	8-channels	16-channels
Filter Type	nm	100GHz			200GHz		
Pass Band	nm	± 0.11			± 0.25		
Insertion Loss (without connector)	dB	≤ 2.2	≤ 3.2	≤ 4.5	≤ 2.0	≤ 3.0	≤ 4.2
Passband Flatness	dB				≤ 0.5		
Channel Uniformity	dB				≤ 1.5		
Channel Isolation (Mux)	dB				N/A		
Channel Isolation (Demux)	dB				≥ 25		
PMD	ps				≤ 0.2		
PDL	dB				≤ 0.1		
Directivity	dB				≥ 55		
Return Loss	dB				≥ 45		
Center Wavelength Stability	nm/°C				≤ 0.002		
Thermal Stability	dB/°C	≤ 0.005	≤ 0.006	≤ 0.008	≤ 0.005	≤ 0.006	≤ 0.008
Max. Optical Power (CW)	mW				500		
Tensile Load	N				5		
Fiber Type					SMF-28e Fiber		
Operating Temperature	°C				-5 to +70		
Storage Temperature	°C				-40 to +85		
Package Dimensions	mm				120x80x9.5 for 4 Channels		
					120x100x9.5 for 8 Channels		
					150x120x14 for 16 Channels		

*Above specifications are for module without connector.

*For modules with connectors, IL will be 0.3dB higher and RL will be 5dB lower.

Package Dimensions



Ordering information

ADWDMM-①-②-③-④④-⑤-⑥-⑦

①: Model Type

M - MUX

D - DEMUX

③: Channel Spacing

1 - 100 GHz

2 - 200 GHz

⑤: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

⑥: Fiber Jacket

B - 250um Bare Fiber

L - 900um Loose Tube

C - 3mm Loose Cable

S - Specify

②: Number of Channels

4 - 4 Channels

8 - 8 Channels

16 - 16 Channels

④④: First ITU Grid

⑦: Fiber Length

0.5 - 0.5m

S - Specify