

PRODUCT INFORMATION SHEET

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

The multi-channel Dense Wavelength Division Multiplexer Modules are based on thin film DWDM devices by cascading individual channels into sequence. Channel numbers can be as high as 140 (16) for 100 (200) GHz systems in C band or in L band. They are featured with wide passband, low insertion loss, high channel isolation and high environmental stability. They can be used in Dense WDM systems to perform multiplexing or demultiplexing function.

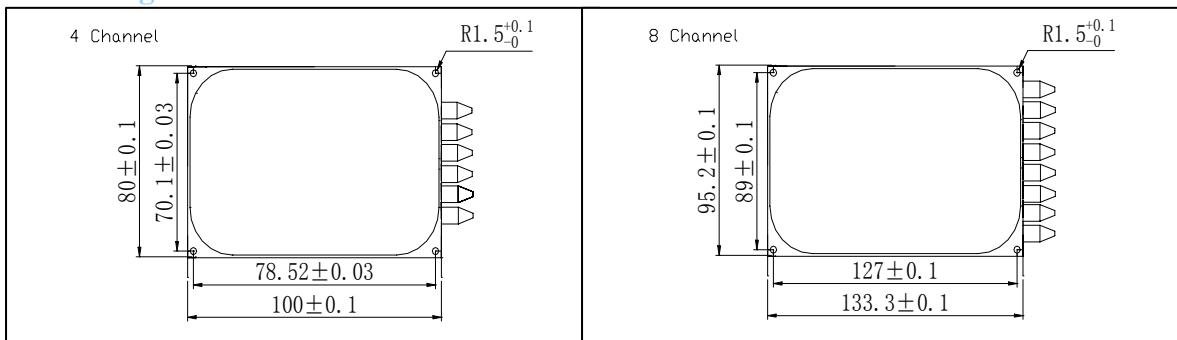
Specifications

Parameters	Unit	4-channels	8-channels	16-channels	4-channels	8-channels	16-channels
Filter Type	nm		100GHz			200GHz	
Pass Bandwidth@0.5dB	nm		≥0.2			≥0.5	
Insertion Loss (without connector)	dB	≤2.5	≤3.5	≤4.8	≤2.2	≤3.3	≤4.6
Passband Flatness	dB			≤1.0			
Channel Uniformity	dB			≤1.5			
Channel Isolation (Mux)	dB			N/A			
Channel Isolation (Demux)	dB			≥25			
PMD	ps			≤0.1			
PDL	dB			≤0.1			
Directivity	dB			≥55			
Return Loss	dB			≥45			
Center Wavelength Stability	nm/°C			≤0.002			
Thermal Stability	dB/°C			≤0.006			
Max. Optical Power	mW			300			
Tensile Load	N			5			
Fiber Type				SMF-28 Fiber			
Operating Temperature	°C			-5 to +70			
Storage Temperature	°C			-40 to +85			
Package Dimensions	mm			100x80x9.5 (for 4channels)			
				133.3x95.2x9.5(for 8 channels)			
				150x115x14(for 16 channels)			

*Above specifications are for device without connector.

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

Package Dimensions



Ordering Information

DWDM-①-②-③-④-⑤-⑥-⑦

① Model Type	② Number of Channels	③ Channel Spacing	⑤ Connector Type	⑥ Fiber Type	⑦ Fiber Length
M - MUX	4 - 4 Channels	1 - 100 GHz	N - None	B - 250um bare	1 - 1.0 m
D - DEMUX	8 - 8 Channels	2 - 200 GHz	S - Specify	L - 900um loose tube	S - Specify
	16 - 16 Channels	④: First ITU Grid		C - 3mm loose cable	
				S - Specify	