HJ OPTRONICS

4055 Filan Way
San Jose, CA 95135
United State

4 or 8 Channel 100/200GHz Polarization Maintaining Dense WDM Filter Module

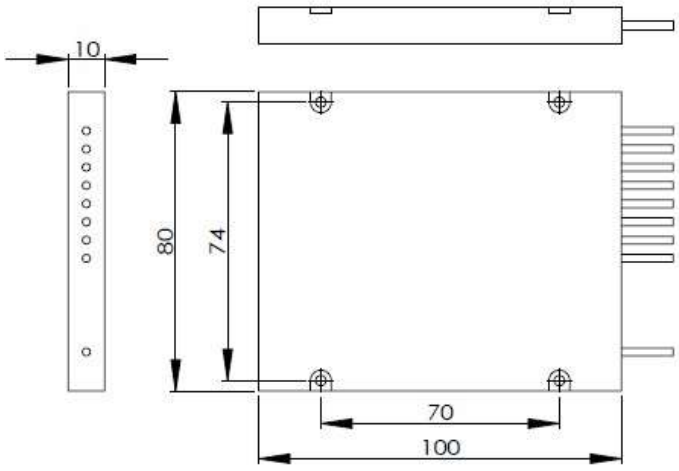
Model #: PDWDMM
Description: Polarization Maintaining Dense WDM Filter Module
Application: Fiber communication system

Specifications:

Parameter		Unit	Specifications*			
Channel #			4 Channel		8 Channel	
Channel Spacing		GHz	100	200	100	200
Channel Wavelength (λ_c)		nm	ITU Grid			
Min. Channel Pass Band (@-0.5dB bandwidth)		nm	0.22	0.5	0.22	0.5
Max. Insertion Loss		dB	2.0	2.0	3.2	3.2
Max. Channel Uniformity		dB	0.6	1.0	0.6	1.0
Typ. Channel Ripple		dB	0.5			
Min. Isolation	Mux	dB	N/A			
	Demux		25			
Min. Polarization Extinction Ratio		dB	20			
Min. Return Loss		dB	45			
Min. Directivity		dB	50			
Max. Thermal Stability		dB/°C	0.006			
Min. Thermal Wavelength Drift		nm/°C	0.002			
Max. Optical Power		mW	300mW (with connector) 50mW Avg and 10W Peak (without connector)			
Operating Temperature		°C	-5 to +70			
Storage Temperature		°C	-40 to + 80			
Dimension		mm	100 x 80 x 10 (4-c) 133 x 95 x 10 (8-C)			
Fiber Type			PM Panda fiber			

* Note: each connector may contribute extra 0.3 dB IL, 5 dB lower RL and 2 dB lower ER. Keying to slow axis.

Package Dimension



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Ordering Information:

PDWDMM-A-B-C-DD-E-F-G-H

A-channel spacing	B: number of Channel	C:Configur-ation	DD: first ITU grid	E: fiber jacket	F: fiber length	G: connect-or type	H:working Axis
1-100 GHz	4 - 4 channel	M - Mux	21-Channel 21	B - 250μm Panda fiber	H-0.5 m	1 - FC/UPC	F – fast axis blocked
2-200 GHz	8 – 8 Channel	D - Demux	….	L - 900 μm loss tube	1-1.0m	2 - FC/APC	
			25-Channel 25		2-2.0m	3 - SC/UPC	
			…	C-3mm cable		4 - SC/APC	
						N - none	
			50-Channel 50			X - other	