Polarization Maintaining Dense Wavelength Division Multiplexer

Features

Low Insertion Loss

High Quality and Reliability

Applications

High Speed Networks

Coherent Deteching

Fiber Sensors

Research

Specifications

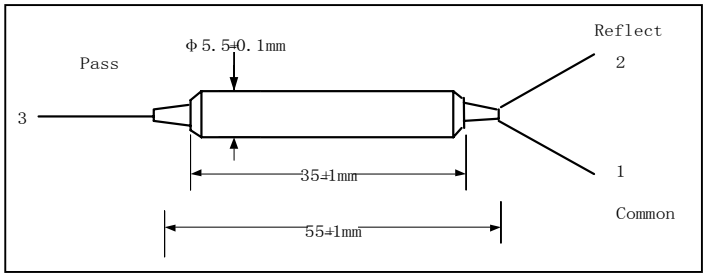
Parameters		Unit	Values	
Filter Type			200GHz	100GHz
Pass Band	Center Wavelength	nm	ITU Grid	
	Typ. Bandwidth at 0.5dB	nm	0.7	0.4
	Min. Bandwidth at 0.5dB	nm	0.5	0.2
	Typ. Channel Isolation at C→P	dB	30	30
	Min. Channel Isolation at C→P	dB	25	25
	Typ. Insertion Loss at C→P	dB	0.8	1.0
	Max. Insertion Loss at C→P	dB	1.0	1.2
Reflection Band	Typ. Channel Isolation at C→R	dB	15	15
	Min. Channel Isolation at C→R	dB	12	12
	Typ. Insertion Loss at C→R	dB	0.3	0.3
	Max. Insertion Loss at C→R	dB	0.5	0.5
Typ. Extinction Ratio at 23°C		dB	22	22
Min. Extinction Ratio at 23°C		dB	20	20
Min Return Loss		dB	50	50
Min. Directivity		dB	45	45
Center Wavelength Stability		nm/℃	≤0.002	
Thermal Stability		dB/℃	≤0.005	
Max. Optical Power (CW)		mW	500	
Max. Tensile Load		N	5	
Fiber Type			PM Panda Fiber	
Operating Temperature		℃	-5 to +70	
Storage Temperature		℃	-40 to +85	

*Above specifications are for devices without connectors.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower.

*The PM fiber and connector key are aligned to the slow axis.

Package Dimensions



Ordering information

PMDWDM-①-②②-③③③-④④④-⑤

①: Channel Spacing
1 - 100 GHz
2 - 200 GHz

②②: ITU Grid

③③③: Connector Type on Port 1, 2 & 3
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify

④④④: Fiber Jacket on Port 1, 2 & 3
B - 250um Fiber
D - 400um Fiber
L - 900um Loose Tube
S - Specify

⑤: Fiber Length
0.8 - 0.8 m