



Polarization Maintaining Dense Wavelength Division Multiplexer (PMDWDM Series)

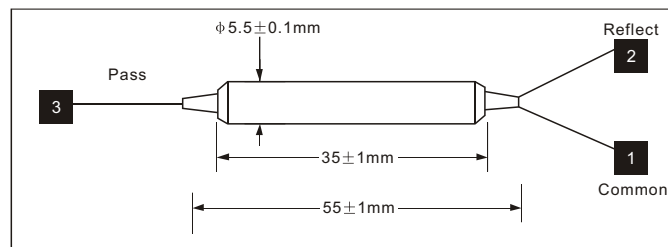
The PMDWDM series are designed and manufactured to Telcordia Standard and ITU Standard. They can preserve the polarization of optical signals. The devices use environmentally stable Thin Film Filters and advanced packaging technology to achieve wide passband, low insertion loss, high channel isolation, excellent environmental stability and high extinction ratio. They can be used individually to perform single channel add or drop function or can be used in DWDM systems and sensor systems, etc.

Specifications				
Parameters		Unit	Values	
Filter Type			200GHz	100GHz
Pass Band	Center Wavelength CWL	nm	ITU Grid	
	Min. Bandwidth@0.5dB	nm	0.5	0.2
	Typ. Bandwidth@0.5dB	nm	0.7	0.4
	Max Insertion Loss@C→P	dB	1.0	1.2
	Typ. Insertion Loss@C→P	dB	0.8	1.0
	Min. Channel Isolation@C→P	dB	25	25
Reflection Band	Typ. Channel Isolation@C→P	dB	30	30
	Max. Insertion Loss@C→R	dB	0.5	0.5
	Typ. Insertion Loss@C→R	dB	0.3	0.3
	Min. Channel Isolation@C→R	dB	12	12
	Typ. Channel Isolation@C→R	dB	15	15
Min. Extinction Ratio @ 23°C,		dB	20	20
Typ. Extinction Ratio @ 23°C,		dB	22	22
Min. Directivity		dB	50	50
Min. Return Loss		dB	50	50
Center Wavelength Stability		nm/°C	≤0.002	
Thermal Stability		dB/°C	≤0.005	
Max. Optical Power		mW	300	
Fiber Type			PM Panda Fiber	
Max. Tensile Load		N	5	
Operating Temperature		°C	-5 to +70	
Storage Temperature		°C	-40 to +85	

*The 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.

Package Dimensions



Ordering Information

PMDWDM-①-②②-③-④-⑤

①: Channel Spacing

1 - 100GHz

2 - 200GHz

②②: ITU Grid

③: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

④: Fiber Type

B - 250um Panda Fiber

D - 400um Panda Fiber

L - 900um loose tube Panda Fiber

S - Specify

⑤: Fiber Length

Q - 0.75m

S - Specify

Remark: The PM fiber and connector key are aligned to slow axis