



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..



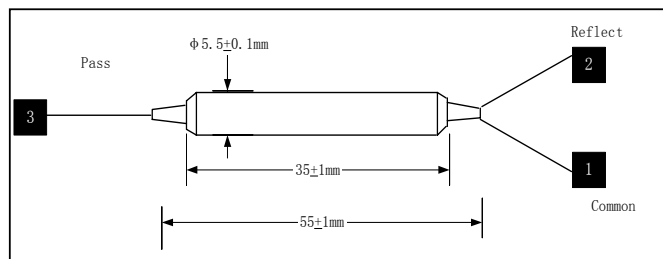
Specifications

Parameters	Unit	200GHz	100GHz
Filter Type			ITU Grid
Pass Band	Center wavelength CWL		
	Min. Bandwidth@0.5dB	0.5	0.2
	Typ. Bandwidth@0.5dB	0.7	0.4
	Max. Insertion Loss@C→P	1.0	1.2
	Typ. Insertion Loss@C→P	0.8	1.0
	Min. Channel Isolation@C→P	25	25
	Typ. Channel Isolation@C→P	30	30
Reflection Band	Max. Insertion Loss@C→R	0.5	0.5
	Typ. Insertion Loss@C→R	0.3	0.3
	Min. Channel Isolation@C→R	12	12
	Typ. Channel Isolation@C→R	15	15
	Min. Extinction Ratio @ 23°C,	20	20
	Typ. Extinction Ratio @ 23°C,	22	22
	Min. Directivity	50	50
	Min Return Loss	50	50
	Center Wavelength Stability	nm/°C	≤0.002
	Thermal Stability	dB/°C	≤0.005
	Maximum 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

*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	③: Connector Type	④: Fiber Type
1 - 100 GHz	1 - FC/UPC	B - 250um Panda Fiber
2 - 200 GHz	2 - FC/APC	D - 400um Panda Fiber
	3 - SC/UPC	L - 900um loose tube Panda Fiber
②②: ITU Grid	4 - SC/APC	S - Specify
	N - None	
	S - Specify	⑤: Fiber Length
		Q - 0.75 m
		S - Specify

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