



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..



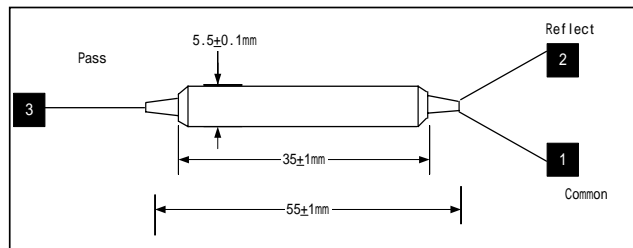
Specifications

Parameters	Unit	Values	
Filter Type		200GHz	100GHz
Passband			ITU Grid
Center wavelength CWL	nm		
Min. Bandwidth@0.5dB	nm	0.5	0.2
Typ. Bandwidth@0.5dB	nm	0.7	0.4
Max insertion Loss@C P	dB	1.2	1.7
Typ. insertion Loss@C P	dB	0.8	1.2
Min. Channel Isolation@C P	dB	25	25
Typ. Channel Isolation@C P	dB	30	30
Reflection Band			
Max. Insertion Loss@C R	dB	0.6	0.6
Typ. Insertion Loss@C R	dB	0.4	0.4
Min. Channel Isolation@C R	dB	10	10
Typ. Channel Isolation@C R	dB	12	12
Min. Extinction Ratio @ 23°C, no connector	dB	18	18
Typ. Extinction Ratio @ 23°C, no connector	dB	22	22
Directivity	dB	45	45
Return loss	dB	45	45
Center wavelength stability	nm/		0.002
Thermal Stability	dB/		0.005
Maximum Optical Power	mW		300
Fiber Type			Panda Fiber
Max. Tensile Load	N		5
Operating Temperature			-5 to +70
Storage Temperature			-40 to +85

The above specification is for devices without connectors.

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

Package Dimensions



Ordering information

PMDWDM- - - -

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

Remark: The fibres and connector keys are aligned to slow axis.