Polarization Maintaining Dense Wavelength Division Multiplexer

(PMDWDM Series)

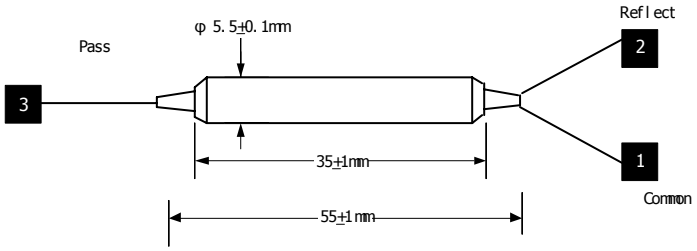
The PMDWDM series are designed and manufactured to Telcordia standard and ITU standard, they can preserve the polarization of optical signals. The devices use environmentally stable Thin Film Filters and advanced packaging technology to achieve wide passband, low insertion loss, high channel isolation, 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	1.2
	Typ. Insertion Loss @C→P	dB	0.8	1.0
	Min. Channel Isolation @C→P	dB	25	25
	Typ. Channel Isolation @C→P	dB	30	30
Reflection Band	Max. Insertion Loss @C→R	dB	0.5	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/ºC	≤0.002	
Thermal Stability		dB/ºC	≤0.005	
Maximum Optical Power (Continuous Wave)		mW	300	
Fiber Type			PM Panda fiber	
Max. Tensile Load		N	5	
Operating Temperature		ºC	-5 to +70	
Storage Temperature		ºC	-40 to +85	

1. Above specifications are for device without connector. PM fiber & connector key are aligned to the slow axis.
2. For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower.

Dimension



BATi
Boston Applied Technologies,Inc.

Ordering Information

PMDWDM-①-②②-③-④-⑤

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

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
S - Specify

⑤: Fiber Length
Q - 0.75 m
S - Specify

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

Contact Information

For more information about BATi's leadership in variable optical attenuation technology and other optical networking modules and components, visit our website at www.bostonati.com.

To obtain additional technical information or to place an order for this product, please contact us at:

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