



Opto-Link
Corporation Ltd

Polarization Maintaining DWDM

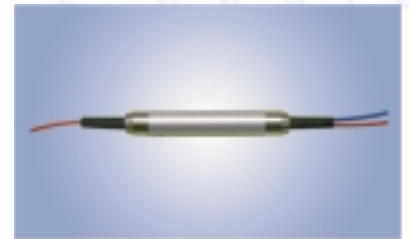
Polarization Maintaining Dense Wavelength Division Multiplexer (PMDWDM) follows ITU standard and Telcordial standard. It uses thin film filter (TFF) technology to provide wide passband, low insertion loss and high channel isolation with high polarization extinction ratio. Furthermore, this device can preserve the polarization of optical signals. It can act as add-drop multiplexer in the optical communication system.

Applications

- Add/Drop Function
- DWDM Systems
- Fiber Optic Sensors

Features

- Low Insertion Loss
- Wide Passband
- Preserve Polarization Optical Signal
- Excellent Environmental Stability
- High Wavelength Isolation with High Extinction Ratio



SPECIFICATIONS

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

*Above specifications are for device without connectors.

ORDERING CODES

OLDWDM - P - [] - [] - [] - [] - []

Channel Spacing	Code
100GHz	1
200GHz	2

Center Wavelength	Code
ITU Grid	XX

Fiber Type	Code
250um Panda Fiber	25
400um Panda Fiber	40
900um loose tube	90
Others	XX

Connector Type	Code
No Connector	NC
FC/UPC	FU
SC/UPC	SU
FC/APC	FA
SC/APC	SA
Others	XX

Fiber Length	Code
0.75m	75
Others	XX