Opto-Link
Corporation Ltd

Polarization Maintaining DWDM

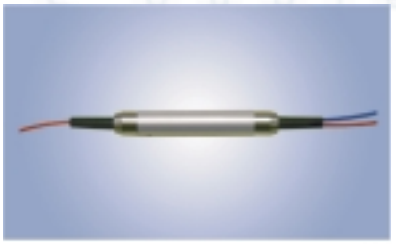
Polarization Maintaining Dense Wavelength Division Multiplexer (PMDWDM) follows ITU standard and Telcordial standard. It uses thin film filter (TFF) technology to provide wide passband, low insertion loss and high channel isolation with high polarization extinction ratio. Furthermore, this device can 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
Channel	40	Ch
Filter Type	200	GHz
Pass Bandwidth@0.5dB	0.5	nm
Max. Insertion Loss	14.5(Mux), 15.5(Demux)	dB
Passband Flatness	0.5	dB
Channel Isolation	N/A(Mux), 25(Demux)	dB
Min. Extinction Ratio@23°C	20(Mux), 18(Demux)	dB
Directivity	50	dB
Min. Return Loss	40	dB
Center Wavelength Stability	0.002	nm/°C
Thermal Stability	0.006	dB/°C
Max. Optical power	300	mW
Tensile Load	5	N
Fiber Type	PM Panda Fiber	--
Operating Temperature	-5 to +70	°C
Storage Temperture	-40 to +85	°C
Package Dimensions	TBD	mm

*IL is 0.3dB higher, RL is 5dB lower, and ER is 2dB lower for each connector added. Connector key is aligned to slow axis.
*Key are aligned to slow axis, and fast axis is blocked.

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

Fiber Length	Code
0.75m	75
Others	XX

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

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