Opto-Link Corporation Ltd

Polarization Maintaining DWDM

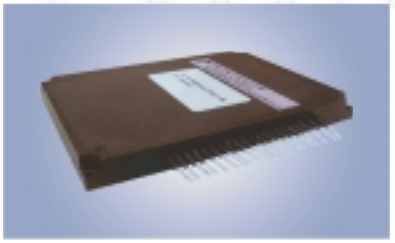
Polarization Maintaining Dense Wavelength Division Multiplexer (PMDWDM) follows ITU standard and Telcordial standard. It uses thin film filter (TFF) technology to provide wide passband, low insertion loss and high channel isolation with high polarization extinction ratio. Furthermore, this device can 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
- High Wavelength Isolation
- High Extinction Ratio
- Excellent Environmental Stability



SPECIFICATIONS

Parameters	Values	Units
Center Wavelength	ITU Grid, Starting CH. 30, CH. 30-37	--
Channel Number	8	--
Channel Spacing	100	GHz
Bandwidth at -0.5dB	> 0.4	nm
Insertion Loss	< 3.4	dB
Insertion Loss Uniformity	1.5	dB
Adjacent Channel Isolation	> 25	dB
Extinction Ratio (Common Port Out)	> 25	dB
Directivity	> 50	dB
Return Loss	> 50	dB
Thermal Stability	< 0.007	dB/°C
Max. Handling Power	300	mW
Fiber Type	PM Panda Fiber	--
Tensile Load	5	N
Operation Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°C
Dimensions	150 x 150 x 15	mm

*Above specifications are for device without connectors.

*All optical paths are aligned to the slow axis and with fast axis blocked.

ORDERING CODES

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Channel Spacing	Code
100GHz	1
Others	XX

Channel Number	Code
8 Channels	08

Starting 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
0.5m	0.5
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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