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# MultiMode Wavelength Division Multiplexer

Multimode Filter Wavelength Division Multiplexer (WDM) using Thin Film Filters technology couples and emits light sources at different wavelength into an optical fiber. It provides very low insertion loss, high isolation and excellent environmental stability. In addition, because it is used high quality AR coating and unique pigtail processing which can be provided high power handling capability. Therefore, this device can be used in multi-mode fiber communication, CATV and testing instrumentation.

## Types

- Fused WDM
- Thin Film Filter WDM
- MultiMode WDM
- Polarization Maintaining WDM



## Applications

- Multimode Fiber Communication Systems
- Testing Instrumentation
- CATV

## Features

- Low Insertion Loss
- High Return Loss
- High Channel Isolation
- Environmentally Stable



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## SPECIFICATIONS

Multimode WDM (1270-1450/1470-1640nm)

Parameter		Values	Units
Passband	Wavelength Range	1270~1450	nm
	Insertion Loss	Max. 1.0	dB
	Isolation	Min. 25	dB
Reflection Band	Wavelength Range	1470~1640	nm
	Insertion Loss	Max. 0.8	dB
	Isolation	Min. 12	dB
Directivity	Min.	35	dB
Return Loss	Min.	35	dB
PDL	Max.	0.1	dB
Insertion Loss Thermal Stability	Max.	0.005	dB/°C
Handling Power	Max.	300	mW
Operating Temperature		0 to +70	°C
Storage Temperature		-40 to +85	°C
Fiber Type		Multimode 62.5/125um or 50/125um	--
Dimensions		Ø5.5 x 34	mm

\*Above specifications are for device without connectors.

#All parameters are measured under scrambled mode condition.

## ORDERING CODES

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Wavelength	Code
1310Pass/1550Reflection	1315
1550Pass/1310Reflection	1315R
850Pass/1310Reflection	8513
1310Pass/850Reflection	8513R

Fiber Core	Code
62.5um	62
50um	50
Others	XX

Fiber Type	Code
250um bare fiber	25
900um loose tube	90
3mm loose cable	3
Others	XX

Connector Type	Code
No Connector	NC
FC/PC	FP
SC/PC	SP
FC/APC	FA
SC/APC	SA
LC/PC	LP
MU/PC	MP
Others	XX

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Tel: +852 2480-6106 Fax: +852 2480-1621 Email: [contact@optolinkcorp.com](mailto:contact@optolinkcorp.com) Website: [www.optolinkcorp.com](http://www.optolinkcorp.com)