



Opto-Link  
Corporation Ltd

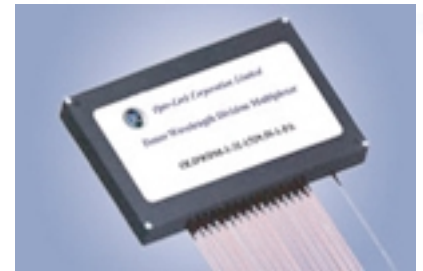
# Optical Connector DWDM (TFF)

Channel Spacing: 100GHz & 200GHz

The Dense Wavelength Division Multiplexer (DWDM) is manufactured by using thin film filter (TFF) technology. It offers low insertion loss, high wavelength isolation and excellent environmental stability.

## Types

- 100GHz / 200GHz



## Applications

- CATV
- DWDM Systems
- Fiber Optic Sensor
- Subscriber Loop

## Features

- Low Insertion Loss
- High Channel Isolation
- Low Polarization Dependence
- High Return Loss
- Excellent Environmental Stability



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## SPECIFICATIONS

### Dense Wavelength Division Multiplexer (100GHz)

Parameter	Channel Number						Units
Channel Number	2	4	8	16	32	40	
Central Wavelength	ITU-T Grid						nm
Passband	Central Wavelength +/- 0.11						nm
Channel Passband @ 0.5dB (Min.)	0.25						nm
Passband Flatness (Max.)	0.5						dB
Insertion Loss (Typ.)	1.4	1.6	2.6	3.8	4.8	5.2	dB
Insertion Loss (Max.)	1.8	2.0	3.2	4.5	5.5	6.0	dB
Adjacent Channel Isolation (Min.)	25						dB
Non-adjacent Channel Isolation (Min.)	45						dB
Wavelength Thermal Stability (Max.)	0.001						nm/°C
Insertion Loss Thermal Stability (Max.)	0.005	0.005	0.007	0.007	0.008	0.008	dB/°C
Return Loss (Min.)	45						dB
PMD (Max.)	0.10	0.10	0.10	0.15	0.15	0.15	ps
PDL (Max.)	0.10	0.15	0.20	0.25	0.30	0.30	dB
Directivity (Min.)	50						dB
Operation Temperature	-5 to +65						°C
Storage Temperature	-40 to +85						°C
Dimension	88.9x50.8x8.3	120x80x13	130x87x13	150x115x13	150x110x19	150x110x19	mm

\*Above specifications are for device without connectors.

### Dense Wavelength Division Multiplexer (200GHz)

Parameter	Channel Number					Units
Channel Number	2	4	8	16	20	
Central Wavelength	ITU-T Grid					nm
Passband	Central Wavelength +/- 0.25					nm
Channel Passband @ 0.5dB (Min.)	0.6					nm
Passband Flatness (Max.)	0.5					dB
Insertion Loss (Typ.)	1.4	1.6	2.6	3.8	4.3	dB
Insertion Loss (Max.)	1.8	2.0	3.2	4.5	5.0	dB
Adjacent Channel Isolation (Min.)	25					dB
Non-adjacent Channel Isolation (Min.)	45					dB
Wavelength Thermal Stability (Max.)	0.002					nm/°C
Insertion Loss Thermal Stability (Max.)	0.005	0.005	0.007	0.007	0.008	dB/°C
Return Loss (Min.)	45					dB
PMD (Max.)	0.10	0.10	0.10	0.15	0.15	ps
PDL (Max.)	0.10	0.15	0.20	0.25	0.25	dB
Directivity (Min.)	50					dB
Operation Temperature	-5 to +65					°C
Storage Temperature	-40 to +85					°C
Dimension	88.9x50.8x8.3	120x80x13	130x87x13	150x115x13	150x110x19	mm

\*Above specifications are for device without connectors.

## ORDERING CODES

