

# OADM

## 50 GHz Optical ADD/DROP Multiplexer (1x2)

### Features:

- 50 GHz ITU channel spacing
- Low insertion loss
- High channel isolation
- High stability and reliability

### Applications:

- DWDM multiplexing
- Fiber optic instruments
- CATV systems

### Specifications:

Parameters	ADD Multiplexer	DROP De-Multiplexer
Central Wavelength	ITU grid	
Channel Spacing*	50 GHz	
Channel Pass Band @ -0.5dB	ITU+0.05 nm min.	
Add/Drop Channel Insertion Loss	≤ 1.5 dB typ	≤ 1.8 dB max.
Express Channel Insertion Loss	≤ 0.5 dB	
Passband Ripple	≤ 0.5 dB	
Adjacent Channel Isolation	≥ 25 dB	
Non-adjacent Channel Isolation	≥ 40 dB	
Express Channel Isolation	≥ 10 dB	
Directivity	≥ 50 dB	
Return Loss	≥ 45 dB	
Insertion Loss Temperature Sensitivity	≤ 0.005 dB/°C	
Wavelength Temperature Sensitivity	≤ 0.5 pm/°C	
PDL	≤ 0.15 dB	
PMD	≤ 0.1 ps	
Maximum Power Handling	300 mW	
Operating Temperature	0°C to +65°C	
Storage Temperature	-40°C to +85°C	
Package Dimension	5.45 mm (φ) x 35 mm (L)	

Note1: All values specified are without connectors.

Note2: Higher performance specifications upon request.

Note3: Fiber Type – Corning SMF-28 unless otherwise specified.

### Order Information:

