



## 2 - Channel Optical Add/Drop Multiplexer

The 2 - Channel Optical Add/Drop Multiplexer (**OADM-double**) is used for adding/dropping two wavelengths in DWDM optical networks. The device has highly wavelength stable and excellent isolation by incorporating thin film filter and epoxy-free optical path packaging techniques. Two models, with channel spacing of 200GHz and 400GHz respectively, are available to meet different system requirements. **OADM-double** meets Bellcore GR-1209-CORE requirements.

### Features of our OADM-double:

- 200GHz, 400GHz channel spacing
- Low insertion loss
- High isolation
- Epoxy-free optical path

### Applications for our OADM-double:

- Dense WDM system
- Add/Drop channels
- CATV fiberoptic links

### Specifications:

Channel Spacing	GHz	100	200
Central Wavelength	nm	1550nm window, ITU-T Grid	
Channel Passband	nm	$\geq 0.2$	$\geq 0.5$
Passband Flatness	dB	$\leq 0.5$	$\leq 0.5$
WI 1-add Insertion Loss 4 <sup>⑥</sup>	dB	typical 1.2, maximum 2.1	
WI 2-add Insertion Loss 5 <sup>⑥</sup>	dB	typical 1.0, maximum 1.5	
WI 1-drop Insertion Loss 1 <sup>②</sup>	dB	typical 1.2, maximum 1.8	typical 1.0, maximum 1.5
WI 2-drop Insertion Loss 1 <sup>③</sup>	dB	typical 1.6, maximum 2.3	typical 1.4, maximum 2.1
Insertion Loss 1 <sup>⑥</sup> for remaining channels	dB	typical 1.6, maximum 2.4	
Adjacent Channel Isolation	dB	$\geq 25$	
No-adjacent Channel Isolation	dB	$\geq 40$	
Remaining Isolation for WI-drop 1 <sup>⑥</sup>	dB	$\geq 25$	



Remaining Isolation for WI-drop 1@6	dB	$\geq 25$
Wavelength Thermal Stability	nm/°C	$\leq 0.001$
Insertion Loss Thermal Stability	dB/°C	$\leq 0.007$
Polarization Dependent Loss	dB	$\leq 0.15$
Return Loss	dB	$\geq 45$
Operation Temperature	°C	0 ~ 65
Storage Temperature	°C	-40 ~ +85

**Ordering information:**

- Connectors: FC/UPC, FC/APC, SC/UPC, or SC/APC
- Pigtail: Diam. 0.9mm
- WI 1, WI 2 Add/Drop Wavelength: ITU-T Grid

We have unbeatable price for this product.

- Price is updating, please make a request for our most recent price by calling (514) 334-4588 or by emailing [sales2@o-eland.com](mailto:sales2@o-eland.com)