

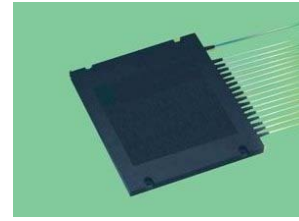
## 100 GHZ DWDM Module

### Features

- Environmentally stable
- Easy installation
- Custom-defined specifications
- Low return Loss
- Low Loss, Low cross Talk
- ITU standard

### Applications

- Telecommunication
- Local area network
- DWDM & FTTH



## Specifications

| ITEM                                   | VALUES   |       |
|--|--|-------|
|  | Mux  | Demux |
| Type                                   | Mux  | Demux |
| Channel                                | 4/8/16   |       |
| Central Wavelength, nm                 | Ch 21~60 or ITU Standard (Customer specify)                            |       |
| Channel Space, nm                      | 0.8  |       |
| Channel Space, GHz                     | 100  |       |
| Pass band@ 0.5dB,nm                    | ITU±0.1nm  |       |
| Insert Loss, dB for 4 channel          | ≤2.8   |       |
| Insert Loss, dB for 8 channel          | ≤4.0   |       |
| Insert Loss, dB for 16 channel         | ≤5.0   |       |
| Adjacent Channel isolation, dB         | N/A  | ≥ 25  |
| Non-adjacent Channel isolation, dB     | N/A  | ≥ 35  |
| Uniformity, dB                         | Minimize Pair Loss or ≤ 1.5  |       |
| Directivity, dB                        | ≥ 40   |       |
| Optical Input Return Loss, dB          | ≥ 45   |       |
| Polarization Dependent Loss, dB        | ≤ 0.15   |       |
| Polarization Mode Dispersion (PMD), ps | ≤ 0.1  |       |
| Thermal Stability Drift, pm /°C        | ≤ 1  |       |
| Max. Optical Power, mW                 | 300  |       |
| Max. Tensile Load, N                   | 5  |       |
| Storage Temperature, °C                | -40°C ~ 85°C   |       |
| Operating Temperature, °C              | 0 ~ 65°C   |       |
| Package size,mm <sup>3</sup>           | M4(1×4, 1×8 standard);M5(1×16 standard, Mux+Demux 1×8 standard), A2,A3 |       |

# 100 GHz DWDM Module Ordering information

WD-D1    XX/XX                      XX    XX    X    X    XX    XXX(cm)

**Connector type(#1 #2)**  
 11-ST  
 21-FC/PC  
 22-FC/APC  
 31-SC/PC  
 32-SC/APC  
 41-LC/PC  
 51-MU/PC  
 00-None  
 XX-Others

**Pigtail length**  
 050- 50cm  
 100- 100cm  
 150- 150cm  
 200- 200cm  
 000- Modulized  
 XXX-Others

**Central wavelength**  
 11- ch 21/22/23/24  
 12- ch 25/26/27/28  
 13- ch 29/30/31/32  
 14- ch 33/34/35/36  
 15- ch 21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36  
 16- ch 43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58  
 XX- Others

**No.of channels**  
 04- 4 channel, ITU Standard  
 06- 6 channel, ITU Standard  
 08- 8 channel, ITU Standard  
 16- 16 channel, ITU Standard  
 XX- Others

**Package option(for both ends)**  
 C1-Coated fiber(250um)  
 L1-Loose tube cable (900um)  
 XX-Others

**Type**  
 M-Mux  
 D-Demux  
 U-Mux/Demux  
 X-Others

**Channel spacing**  
 1- 100 GHz  
 X- Others