

***Fiber Optic Innovator*** ***\_***

50GHz DWDM Filter

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ *Fiber Optic Innovator***

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**Features**

**Applications**

High Demux Channel Isolation Long Haul DWDM System

Low Polarization Dependent Loss Metro DWDM System

Flat and Wide Passband Access/Enterprise Network

High Reliability Test Instrument

**Specifications**

|  |  |  |
| --- | --- | --- |
| Parameters | Unit | Values |
| Channel Wavelength | nm | 1530.33~1560.61 (21~59 ITU Grid) |
| Center Wavelength Accuracy | nm | ± 0.02 |
| Channel Spacing | GHz | 50 |
| Channel Passband (@-0.5dB bandwidth) | nm | ≥0.1 |
| Insertion Loss (Pass Channel) | dB | ≤0.8 |
| Insertion Loss (Reflect Channel) | dB | ≤0.4 |
| Channel Ripple | dB | ≤0.3 |
| Isolation | Adjacent | dB | 20 |
| Non-adjacent | dB | 25 |
| Express Channel Isolation | dB | ≥10 |
| PDL | dB | ≤0.10 |
| PMD | ps | ≤0.10 |
| Directivity | dB | ≥50 |
| Return Loss | dB | ≥45 |
| Power Handling | mW | ≤500 |
| Operating Temperature | ℃ | -5 ~ +70 |
| Storage Temperature | ℃ | -40 ~ +85 |
| Dimensions | mm | Ø5.5 x L35mm |

**Package Dimensions**



**Ordering Information**

**DWDM- ①-②②②-③③③-④④-⑤⑤⑤-⑥-⑦-⑧⑧**

|  |  |  |
| --- | --- | --- |
| ① | Type | M=Mux; D=Demux; |
| ② | Channel Space | 0.5=50GHz; |
| ③ | Channel Type | 1ch; |
| ④ | ITU Channel | 21=21ch; 21\*=21\*ch; 22=22ch; 22\*=22\*ch; ……; 59\*=59\*ch; |
| ⑤ | Pigtail Type | 250=250um Fiber; 900=900um Loose Tube; 3mm=3mm Loose Tube; |
| ⑥ | Fiber Type | 1=SMF-28e; |
| ⑦ | Fiber Length | 1=1m; |
| ⑧ | Connector | NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; LC=LC/UPC; XX=Others; |

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