***Fiber Optic Innovator***

100Ghz Dense Wavelength Division Multiplexer (DWDM)

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| --- | --- |
| **Features** |  |
| Low Insertion Loss High Channel IsolationHigh stability and reliabilityEpoxy Free Optical Path |
| **Application** |
| DWDM Network Wavelength Routing Fiber Optical Amplifier CATV Fiberoptic System |

**Specifications**

|  |  |
| --- | --- |
| Parameter | 1x2 100Ghz DWDM |
| Channel Wavelength (nm) | 1529.55~1561.42 (ITU 20~ 60) |
| Center Wavelength Accuracy (nm) | ± 0.05 |
| Channel Passband (@-0.5dB bandwidth) (nm) | > 0.22 |
| Insertion Loss (dB) | Add / Drop Ch. | < 1.0 |
| Express Ch. | < 0.4 |
| Channel Ripple (dB) | < 0.4 |
| Isolation(dB) | Adjacent Ch | > 25 |
| Non-adjacent Ch | > 35 |
| Express Channel Isolation (dB) | > 10 |
| Insertion Loss Temperature Sensitivity (dB/°C ) | < 0.003 |
| Wavelength Temperature Shifting (nm/°C ) | < 0.002 |
| Polarization Dependent Loss (dB) | ≤ 0.10 |
| Polarization Mode Dispersion (ps) | ≤ 0.1 |
| Directivity (dB) | ≥ 50 |
| Return Loss (dB) | ≥45 |
| Power Handling (mW) | ≤300 |
| Operating Temperature (°C) | 0 ~ +70 |
| Storage Temperature (°C) | -40 ~ +85 |
| Package Dimension (mm) | Ø5.5 x L35 |

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**Package Dimensions**:



**Ordering Information:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| DWDM | ChannelType | Spacing | ITUChannel | Pigtail Type | FiberType | Length | Connector |
|  | 1=1ch | 1=100Ghz | 21=21ch22=22ch……60=60ch | 250=250um bare fiber 900=900um loosetube2000=2mm loose tube 3000=3mm loose tube | 1=SMF-28e | 1= 1m X=Spec ify | NE=None FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC LC=LC/UPC LA=LC/APC XX=Other |

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