Singlemode WDM Filter Unit

Features

- Environmentally stable
- Wide band pass
- Low insert loss
- Low loss and Low cross-talk
- Low Polarization dependent loss
- Optical path epoxy free

Applications

- Telecommunications
- Local area network
- Fiber optic sensors
- Test instruments
- RFTS & CATV & FTTH

Specifications

<table>
<thead>
<tr>
<th>ITEM</th>
<th>VALUES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operation Wavelength (nm)</strong></td>
<td>1270<del>1350 &amp; 1510</del>1590 or Customer Specify</td>
</tr>
<tr>
<td>Insertion Loss, dB</td>
<td>Typical 0.5</td>
</tr>
<tr>
<td></td>
<td>Max 0.7</td>
</tr>
<tr>
<td>Pass band Ripple, dB</td>
<td>≤0.3</td>
</tr>
<tr>
<td>Isolation, dB</td>
<td>≥15(reflect channel)</td>
</tr>
<tr>
<td></td>
<td>≥40(pass channel)</td>
</tr>
<tr>
<td>Optical Return Loss</td>
<td>≥45</td>
</tr>
<tr>
<td>Directivity, dB</td>
<td>≥50</td>
</tr>
<tr>
<td>Thermal Stability, dB / °C</td>
<td>≤0.005</td>
</tr>
<tr>
<td>Polarization Dependent Loss, dB</td>
<td>≤0.05</td>
</tr>
<tr>
<td>Polarization Mode Dispersion, ps</td>
<td>≤0.1</td>
</tr>
<tr>
<td>Max. Optical Power, mW</td>
<td>300</td>
</tr>
<tr>
<td>Max. Tensile Load, N</td>
<td>5</td>
</tr>
<tr>
<td>Storage Temperature, °C</td>
<td>-40°C ~ 85°C</td>
</tr>
<tr>
<td>Operation Temperature, °C</td>
<td>0°C ~ 65°C</td>
</tr>
<tr>
<td>Package Size, mm</td>
<td>ø5.5 x 34 mm for coated fiber (250 μm)</td>
</tr>
<tr>
<td></td>
<td>ø5.5 x 39 mm for loose tube cable (900 μm)</td>
</tr>
</tbody>
</table>
**Singlemode WDM Filter Unit**

**Ordering Information**

**WD-SF**

XX/XX

XX

XX

X

XXX(cm)

**Connector (Com / P1&P2)**

11-ST
21-FC/PC
22-FC/APC
31-SC/PC
32-SC/APC
41-LC/PC
51-MU/PC
00-None
XX-Others

**Wavelength**

35-1310 / 1550 nm (reflect / pass)
53-1550 / 1310 nm (reflect / pass)
XX-Other

**Fiber type**

S- Singlemode fiber

**Package option (for both ends)**

C1-Coated fiber (250um)
C2-Coated fiber (250um) w / boot
L1-Loose tube cable (900um)
L2-Loose tube cable (900um) w / boot
XX-Others

**Pigtall length**

100- 100cm
XXX-Others

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