3Port TAP Device

Description
The 3-port TAP (Network Splitter) device provided by HYC is a pure passive device based on TFF (Thin Film Filter) technology. It does not require power supply and is mainly used for analysis and monitoring of network signal transmission. With pre-built TAP, you can copy signals for analysis and monitoring without disconnecting the network, without interfering with normal signal transmission, enabling accurate network real-time monitoring; compared to traditional fused taper splitters (FBT), TAP devices have the advantages of full-band, industrial grade, high stability, etc., widely used in test equipment monitoring, PON systems, optical network switching and protection.

Features
- Split ratio is optional
- High stability and reliability
- 1260~1650nm full-band operation

Application
- Test equipment
- WDM channel monitoring
- Optical network switch/protection

Specification

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>3port TAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiber mode</td>
<td>/</td>
<td>Single Mode (SM)</td>
</tr>
<tr>
<td>Operating wavelength</td>
<td>nm</td>
<td>1260–1650</td>
</tr>
<tr>
<td>TAP Ratio</td>
<td>%</td>
<td>90 : 10</td>
</tr>
<tr>
<td>Insertion Loss Pass Port</td>
<td>dB</td>
<td>≤1.0</td>
</tr>
<tr>
<td>Insertion Loss Tap Port</td>
<td>dB</td>
<td>≤10.6</td>
</tr>
<tr>
<td>Return Loss</td>
<td>dB</td>
<td>≥50</td>
</tr>
<tr>
<td>Wavelength Dependent Loss</td>
<td>dB</td>
<td>≤0.5</td>
</tr>
<tr>
<td>Directivity</td>
<td>dB</td>
<td>≥45</td>
</tr>
<tr>
<td>Maximum Power Handling</td>
<td>mW</td>
<td>≤500</td>
</tr>
<tr>
<td>Fiber type</td>
<td>/</td>
<td>Corning Ultra/G657A2</td>
</tr>
<tr>
<td>Package dimension</td>
<td>mm</td>
<td>Φ4.0xL30 for 250um bare fiber ; Φ5.5xL38 for 900um loose tube</td>
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</tbody>
</table>
| Operation temperature        | °C   | -40~+85