DiCon’s Multimode 1x4 Thin Film Coupler Plug-In Module utilizes thin film filters to split light into four equal output channels. Thin film optical filters have the advantage in multimode fiber applications because they have a stable split ratio not subject to changes in mode distribution, unlike fused fiber couplers.

Each Plug-In Module is designed for easy integration into DiCon’s GP750 modular system.

FEATURES

- Stable Split Ratio
- Ideal for Multimode Fiber Applications
- Convenient use with the GP750 system
GP750 PROGRAMMABLE INSTRUMENT
MULTIMODE 1X4 THIN FILM COUPLER PLUG-IN MODULE

OPTICAL SPECIFICATIONS\(^1\)

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coupler Type</td>
<td>Thin Film</td>
</tr>
<tr>
<td>Split Configuration</td>
<td>1x4</td>
</tr>
<tr>
<td>Insertion Loss, 25% Tap Ratio(^2,3)</td>
<td>7.2 dB max.</td>
</tr>
<tr>
<td>Back Reflection</td>
<td>-25 dB max.</td>
</tr>
<tr>
<td>Fiber Type</td>
<td>50/125 OM3 multimode</td>
</tr>
</tbody>
</table>

1. Specifications at room temperature, without connectors
2. Tap ratio is a nominal value of output power divided by input power. Actual insertion loss is specified by the insertion loss specification.
3. Dual band 850 nm & 1310 nm adds 0.40 dB

MECHANICAL DIMENSIONS
(Units: mm)

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Product Code</th>
<th>GPC · □ · /1x4 · □ · 50/OM3 · □</th>
</tr>
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</table>

Slot Width
- 1S: 1-Slot Module
- 2S: 2-Slot Module

Number of Couplers
- X: Specify # of Couplers
  - Max of 3 for 1S Module
  - Max of 6 for 2S Module

Coupler Type
- 1x4: 1x4 split

Tap Ratio\(^2\)
- 25: 25% / 25% / 25% / 25%

Wavelength Range
- 8: 850 nm
- 8/13: 850 and 1310 nm
- 13: 1310 nm

Fiber and Jacket Type
- 50/OM3: 50/125 OM3 multimode fiber

Connector Type
- FC: FC/PC
- SC: SC/PC
- ST: ST/PC
- LC: LC/PC