DiCon’s Multimode 1x2 Thin Film Coupler Plug-In Module utilizes a thin film filter to split light into two 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 1X2 THIN FILM COUPLER PLUG-IN MODULE

OPTICAL SPECIFICATIONS

<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>1x2</td>
</tr>
<tr>
<td>Insertion Loss, 5% Tap Ratio(^2)</td>
<td>IN to OUT 1: 0.8 dB max. IN to OUT 2: 18 dB max.</td>
</tr>
<tr>
<td>Insertion Loss, 10% Tap Ratio(^2)</td>
<td>IN to OUT 1: 1.0 dB max. IN to OUT 2: 12 dB max.</td>
</tr>
<tr>
<td>Insertion Loss, 25% Tap Ratio(^2)</td>
<td>IN to OUT 1: 1.8 dB max. IN to OUT 2: 7.2 dB max.</td>
</tr>
<tr>
<td>Insertion Loss, 50% Tap Ratio(^2,3)</td>
<td>IN to OUT 1: 3.6 dB max. IN to OUT 2: 3.6 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 0.20 dB

ORDERING INFORMATION

```
GPC-□-□/1x2-□-□-50/OM3-□
```

- **Product Code**
  - GPC: Coupler Module
- **Slot Width**
  - 1S: 1-Slot Module
  - 2S: 2-Slot Module
- **Number of Couplers**
  - X: Specify # of Couplers
    - Max of 6 for 1S Module
    - Max of 12 for 2S Module
- **Coupler Type**
  - 1x2: 1x2 split
- **Tap Ratio\(^2\)**
  - 5: 5%
  - 10: 10%
  - 25: 25%
  - 50: 50%
- **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

MECHANICAL DIMENSIONS

(Units: mm)