DiCon’s Multimode 2x2 Thin Film Coupler Plug-In Module utilizes thin film filters to combine two inputs into two outputs, with each output nominally having 25% of each input.

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 Ratios
- Ideal for Multimode Fiber Applications
- Convenient use with the GP750 system
## 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>Configuration</td>
<td>2x2</td>
</tr>
<tr>
<td>Insertion Loss²</td>
<td>7.4 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. Defined as the insertion loss from IN 1 to OUT 1, IN 1 to OUT 2, IN 2 to OUT 1, or IN 2 to OUT 2.
3. Tap ratio indicates the nominal % of light from each input that will exit each output. For example a tap ratio of 25% / 25% means that nominally 25% of IN 1 and 25% of IN 2 will exit each output.

## MECHANICAL DIMENSIONS

(Units: mm)

## ORDERING INFORMATION

```
GPC • □ • □/2x2 • □ • □ -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 4 for 1S Module
  - Max of 8 for 2S Module

- **Coupler Type**
  - 2x2

- **Tap Ratio²**
  - 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