DiCon’s Singlemode 1x2 Fused Fiber Coupler Plug-In Module can house one or multiple fused couplers. Each Plug-In Module is designed for easy integration into DiCon’s GP750 modular system.

FEATURES

- Ideal for Singlemode Fiber Applications
- Convenient use with the GP750 system
- Dual window broadband coupler
**GP750 PROGRAMMABLE Instrument**

**SINGLEMODE 1X2 COUPLER PLUG-IN MODULE**

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### Optical Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coupler Type</td>
<td>Fused Fiber</td>
</tr>
<tr>
<td>Split Configuration</td>
<td>1x2</td>
</tr>
<tr>
<td>Insertion Loss, 1% Tap Ratio²</td>
<td>IN to OUT 1: 0.4 dB max.</td>
</tr>
<tr>
<td></td>
<td>IN to OUT 2: 24 dB max.</td>
</tr>
<tr>
<td>Insertion Loss, 2% Tap Ratio²</td>
<td>IN to OUT 1: 0.4 dB max.</td>
</tr>
<tr>
<td></td>
<td>IN to OUT 2: 21 dB max.</td>
</tr>
<tr>
<td>Insertion Loss, 5% Tap Ratio²</td>
<td>IN to OUT 1: 0.5 dB max.</td>
</tr>
<tr>
<td></td>
<td>IN to OUT 2: 18 dB max.</td>
</tr>
<tr>
<td>Insertion Loss, 10% Tap Ratio²</td>
<td>IN to OUT 1: 0.8 dB max.</td>
</tr>
<tr>
<td></td>
<td>IN to OUT 2: 12.7 dB max.</td>
</tr>
<tr>
<td>Insertion Loss, 50% Tap Ratio²</td>
<td>IN to OUT 1: 3.9 dB max.</td>
</tr>
<tr>
<td></td>
<td>IN to OUT 2: 3.9 dB max.</td>
</tr>
<tr>
<td>Back Reflection</td>
<td>-50 dB max.</td>
</tr>
<tr>
<td>Fiber Type</td>
<td>9/125 μm single mode</td>
</tr>
</tbody>
</table>

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### Ordering Information

**Product Code**

GPC - [ ] - [ ]/1x2 - [ ] - [ ] - 9 - [ ]

**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**

1 1%
2 2%
5 5%
10 10%
50 50%

**Wavelength Range**

13/15 1270-1350 nm & 1510-1590 nm

**Fiber and Jacket Type**

9 Corning SMF-28 9μm Fiber

**Connector Type**

FC/SPC FC/SPC
FC/APC FC/APC
N NONE

*Also Available: SC, SC/UPC, SC/APC, ST, ST/UPC, LC*

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### Mechanical Dimensions

(Units: mm)

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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.

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