DiCon’s Single Mode Duplex Switch Plug-In Module provides the ability to connect a pair of input fibers to a selected pair of output fibers. The first digit of the output label indicates the output pair. The second digit indicates the input to which the output is connected. This duplex switch is commonly used in automated testing of fiber optic systems with Tx and Rx fiber pairs.

**FEATURES**

- Precise repeatability
- Fast switching time
- MEMS durability and reliability
GP750 PROGRAMMABLE INSTRUMENT
SINGLE MODE DUPLEX SWITCH PLUG-IN

OPTICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insertion Loss</td>
<td></td>
</tr>
<tr>
<td>1x2/DS</td>
<td>0.7 dB max.</td>
</tr>
<tr>
<td>1x4/DS</td>
<td>0.7 dB max.</td>
</tr>
<tr>
<td>1x8/DS</td>
<td>0.8 dB max.</td>
</tr>
<tr>
<td>Crosstalk</td>
<td>-50 dB max.</td>
</tr>
<tr>
<td>Back Reflection</td>
<td>-50 dB max.</td>
</tr>
<tr>
<td>Switching Time</td>
<td>30 ms max.</td>
</tr>
<tr>
<td>TDL</td>
<td>0.3 dB max.</td>
</tr>
<tr>
<td>WDL</td>
<td>0.2 dB max.</td>
</tr>
<tr>
<td>PDL</td>
<td>0.1 dB max.</td>
</tr>
<tr>
<td>Repeatability</td>
<td>0.02 dB max.</td>
</tr>
<tr>
<td>Durability</td>
<td>10⁶ cycles min.</td>
</tr>
<tr>
<td>Optical Power</td>
<td>500 mW max.</td>
</tr>
</tbody>
</table>

ORDERING INFORMATION

GPM - 1S - □/□/DS - □ - 9 - □

Product Code
GPM Switch Module

Slot Width
1S 1-Slot Module
Custom multi-slot modules available

Number of Switches
X Specify X Switches
Maximum 18 total ports with FC connectors

Switch Configuration
1xN 1xN, Specify N≤8

Wavelength Range
13 1290 - 1330 nm
15 1530 - 1570 nm
16 1570 - 1610 nm
13/15 1290 - 1330 nm & 1530 - 1570 nm
15/16 1530 - 1570 nm & 1570 - 1610 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

1. Specifications are without connectors.
2. IL is measured at CWL, 23°C.
3. IL is for standard opaque model.
4. IL is for single-band. Dual-band adds 0.1 dB.
5. Power off isolation is same as crosstalk.
6. WDL is measured in a +/- 20nm range at 23°C.
7. Repeatability is defined after 100 cycles.

MECHANICAL DIMENSIONS
(Units: mm)

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