ADD/DROP SWITCH PLUG-IN MODULE

DiCon’s Add/Drop Switch Plug-In Module offers accurate and fast switching speeds to insert or bypass a customer device or optical component. Each Plug-In Module is designed for easy integration into DiCon’s GP750 modular system. All plug-in modules require no configuration and are hot swappable, providing true plug-and-play functionality.

FEATURES

- Precise repeatability
- Fast switching time
- MEMS durability and reliability

APPLICATIONS

Add/Drop Switches enable fast switching to add or drop a customer device or optical component from the optical path.
GP750 PROGRAMMABLE INSTRUMENT
ADD/DROP SWITCH PLUG-IN

OPTICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>RATING</th>
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</thead>
<tbody>
<tr>
<td>Insertion Loss²</td>
<td>Single-Band 0.8 dB max.</td>
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<tr>
<td></td>
<td>Dual-Band 0.9 dB max.</td>
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<tr>
<td>Crosstalk</td>
<td>-50 dB max.</td>
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<tr>
<td>Back Reflection</td>
<td>-50 dB max.</td>
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<tr>
<td>Switching Time</td>
<td>15 ms max.</td>
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<tr>
<td>TDL</td>
<td>0.3 dB max.</td>
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<tr>
<td>WDL⁴</td>
<td>0.2 dB max.</td>
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<tr>
<td>PDL</td>
<td>0.1 dB max.</td>
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<tr>
<td>Repeatability⁵</td>
<td>0.02 dB max.</td>
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<tr>
<td>Durability</td>
<td>10⁹ cycles min.</td>
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<tr>
<td>Optical Power</td>
<td>500 mW max.</td>
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<tr>
<td>Fiber Type</td>
<td>9/125 µm single mode</td>
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</tbody>
</table>

1. Specifications are without connectors.
2. IL is measured at CWL, 23°C.
3. WDL is measured in a +/- 20nm range at 23°C.
4. Repeatability is defined after 100 cycles.

MECHANICAL DIMENSIONS
(Units: mm)

ORDERING INFORMATION

GPS - 1S - □/2X2AD- □ - 9 - □

Product Code

GPS

Slot Width

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

Number of Switches

X Specify X Switches
Maximum 4 switches with FC connectors

Switch Configuration

2X2AD 2X2 Add/Drop

Wavelength Range

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

Fiber and Jacket Type

9 Corning SMF-28 9µm fiber
Or other equivalent 9µm Singlemode fiber

Connector Type

FC/SPC FC/SPC
FC/APC FC/APC
N NONE
Also Available: SC, SC/UPC, SC/APC, ST, ST/UPC, LC