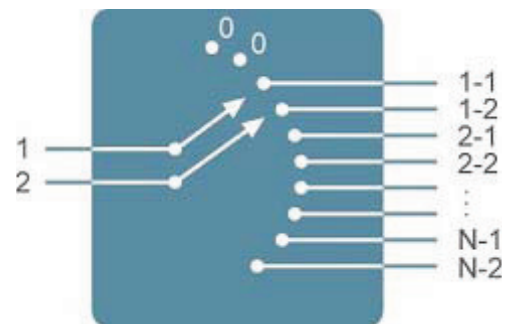


# GP750 PROGRAMMABLE INSTRUMENT

## SINGLE MODE DUPLEX SWITCH PLUG-IN MODULE

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

**DiCon**  
FIBEROPTICS

**AInnoTech**  
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# GP750 PROGRAMMABLE INSTRUMENT

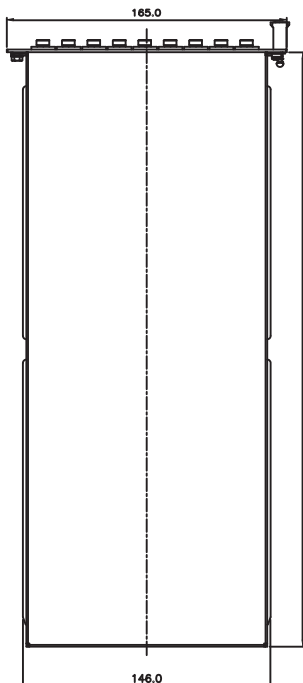
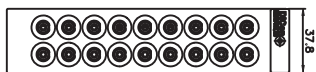
## SINGLE MODE DUPLEX SWITCH PLUG-IN

### OPTICAL SPECIFICATIONS<sup>1</sup>

PARAMETER		RATING
Insertion Loss <sup>2,3,4</sup>	1x2/DS	0.7 dB max.
	1x4/DS	0.7 dB max.
	1x8/DS	0.8 dB max.
Crosstalk <sup>5</sup>		-50 dB max.
Back Reflection		-50 dB max.
Switching Time		30 ms max.
TDL		0.3 dB max.
WDL <sup>6</sup>		0.2 dB max.
PDL		0.1 dB max.
Repeatability <sup>7</sup>		0.02 dB max.
Durability		10 <sup>9</sup> cycles min.
Optical Power		500 mW max.

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

### MECHANICAL DIMENSIONS (Units: mm)



### 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



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