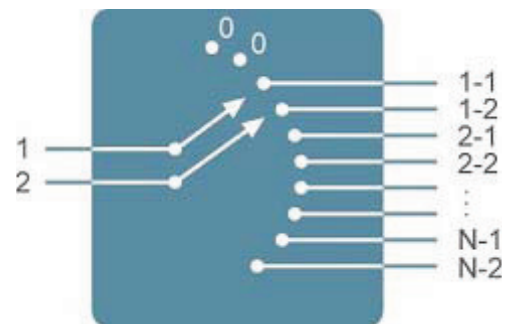


# GP750 PROGRAMMABLE INSTRUMENT

## MULTI-MODE DUPLEX SWITCH PLUG-IN MODULE

DiCon's Multi-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

## MULTI-MODE DUPLEX SWITCH PLUG-IN

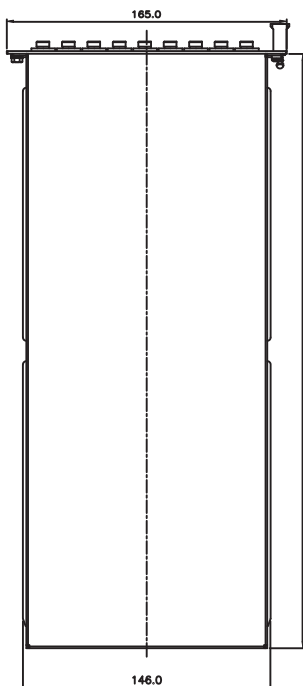
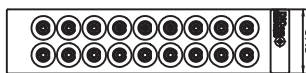
### OPTICAL SPECIFICATIONS<sup>1</sup>

PARAMETER		RATING
Insertion Loss <sup>2,3,4</sup>	1x2/DS	0.8 dB max.
	1x4/DS	0.8 dB max.
	1x8/DS, 50 μm	1.2 dB max.
	1x8/DS, 62.5 μm	1.7 dB max.
Crosstalk <sup>5</sup>	50 μm	-25 dB max.
	62.5 μm	-20 dB max.
Back Reflection		-20 dB max.
Switching Time		30 ms max.
TDL		0.4 dB max.
Repeatability <sup>6</sup>		0.04 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 0.4 dB.
- Power off isolation is same as crosstalk.
- Repeatability is defined after 100 cycles.

### MECHANICAL DIMENSIONS

(Units: mm)



### ORDERING INFORMATION

GPM - 1S -  /  / DS -  -  -

#### 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

8 850 nm only  
8/13 850 & 1290 - 1330 nm  
*Other wavelengths available upon special request*

#### Fiber and Jacket Type

50 50μm core fiber  
62 62.5μm core fiber

#### Connector Type

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