

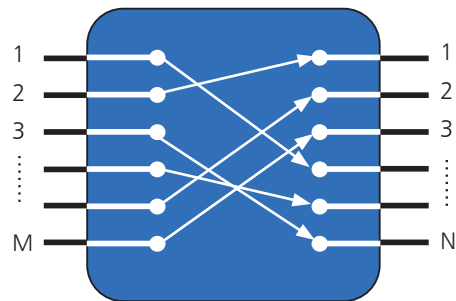
# GP750 PROGRAMMABLE INSTRUMENT

## MULTIMODE MxN NON-BLOCKING SWITCH PLUG-IN MODULE

DiCon's Larger Core Fiber Multimode MxN Non-Blocking Switch Plug-In Module is an all optical, non-blocking fiber optic switch that enables the simultaneous connection of multiple fibers to one another.



### MEMS MxN NON-BLOCKING OPTICAL SWITCH



### FEATURES

- MEMS durability and reliability
- Bi-directional, all optical cross-connect design
- Fast switching time



# GP750 PROGRAMMABLE INSTRUMENT

## MULTIMODE MxN NON-BLOCKING SWITCH PLUG-IN

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

PARAMETER		RATING	
Insertion Loss <sup>2,3</sup>	50 $\mu$ m & 62.5 $\mu$ m Fiber	4x4	2.0 dB max.
		8x8	2.0 dB max.
	100 $\mu$ m Fiber	4x4	3.0 dB max.
		8x8	3.0 dB max.
Crosstalk	50 $\mu$ m & 62.5 $\mu$ m Fiber	-40 dB max.	
	100 $\mu$ m Fiber	-40 dB max.	
Back Reflection <sup>4</sup>		-20 dB max.	
Switching Time		40 ms max.	
TDL		0.4 dB max.	
Repeatability <sup>5</sup>		0.04 dB max.	
Durability		10 <sup>9</sup> cycles min.	
Optical Power		500 mW max.	
Fiber Type <sup>6</sup>		Multimode Fiber	

- Specifications are without connectors.
- IL is measured at specified wavelength, 23°C +/- 5°C.
- IL is for single band. Dual-band adds 0.6 dB.
- Back Reflection specification is for 50  $\mu$ m and 62.5  $\mu$ m core fiber only.
- Repeatability is defined after 100 cycles.
- Larger core & specialty fiber available upon request.

### ORDERING INFORMATION

GPX - □ - □ /M - □ - □ - □

#### Product Code

GPX Non-Blocking Module

#### Slot Width

1S 1-Slot Module

#### Switch Configuration

MxN MxN, Non-Blocking (M,N $\leq$ 8)

*Large port counts available upon request*

#### Wavelength Range

8 850 nm only  
 9 980 nm only  
 13 1310 nm only  
 15 1550 nm only  
 8/13 850 & 1310 nm

*Other wavelength ranges available upon request*

#### Fiber Type

50 50/125  $\mu$ m fiber  
 62 62.5/125  $\mu$ m fiber  
 100 100/140  $\mu$ m fiber

*Larger core & specialty fiber available upon request*

#### Connector Type

FC FC/PC  
 LC LC/PC  
 SC SC/PC  
 ST ST/PC  
 N NONE

### MECHANICAL DIMENSIONS

(Units: mm)

