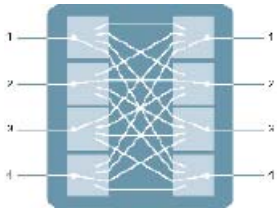
GP750 PROGRAMMABLE INSTRUMENT

MULTIMODE MATRIX SWITCH PLUG-IN MODULE

DiCon's Multimode Mode Matrix Switch Plug-In Module is a flexible integrated switching system. Input and output ports are interconnected to form a fully non-blocking, two stage optical cross-connect. 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.



Non-blocking MxN

FEATURES

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

APPLICATIONS

Matrix optical switches allow resources to be shared within R&D or Production labs, while also being reconfigurable to adapt to future changes.

DiCon FIBEROPTICS

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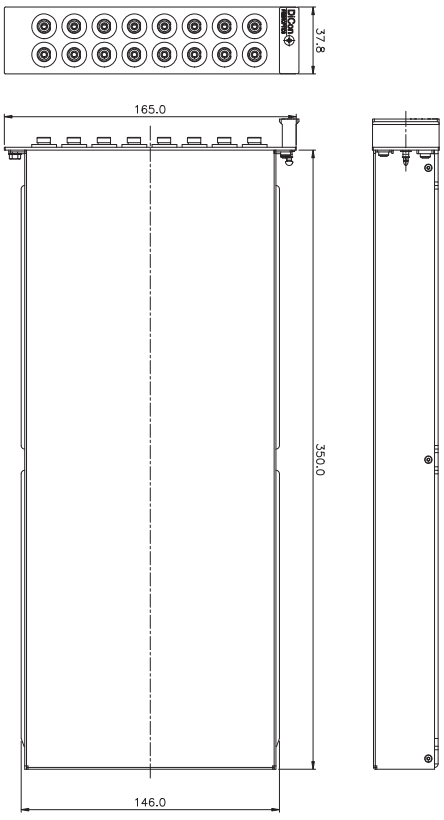
OPTICAL SPECIFICATIONS[1]

PARAMETER		RATING
Insertion Loss[2,3]	4x4	2.0 dB max.
	8x8	2.4 dB max.
Crosstalk	50 µm	-25 dB max.
	62.5 µm	-20 dB max.
Back Reflection		-20 dB max.
Switching Time		40 ms max.
TDL		0.4 dB max.
Repeatability[4]		0.04 dB max.
Durability		10^9 cycles min.
Optical Power		500 mW max.
Fiber Type		Multimode

1. Specifications are without connectors.
2. IL is measured at CWL, 23°C.
3. IL is for single-band. Dual-band add 0.4 dB
4. Repeatability is defined after 100 cycles.

MECHANICAL DIMENSIONS

(Units: mm)



ORDERING INFORMATION

GPX - ☐ - ☐ - ☐ - ☐ - ☐

Product Code

GPX	Matrix Module

Slot Width

1S	1-Slot Module

Switch Configuration

MxN/NB	MxN, Non Blocking Specify M,N≤8 for 50 µm and M,N≤4 for 62.5 µm

Wavelength Range

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

Fiber and Jacket Type

50	50 µm core fiber
62	62.5 µm core fiber

Connector Type

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

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