

GP750 PROGRAMMABLE INSTRUMENT

MULTI-MODE 1XN SWITCH PLUG-IN MODULE

DiCon's Multi-mode 1xN Switch Plug-In Module offers accurate connection of one input fiber to one of N output fibers. 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

1xN Switches enable channel selection in an automated test system. They are commonly used to connect multiple sources or receivers to a device under test, or to quickly cycle between multiple devices connected to a single source.

DiCon
FIBEROPTICS

AInnoTech
(주)에이이노텍
FiberAll
www.FIBERALL.co.kr
광통신 전문 소평을! 파이버올!

www.AINNOTECH.com
Email: korea@ainnotech.com
TEL: 02,409,3222 FAX: 02,409,3229
서울시 송파구 가락동 10-9 현성 B/D 2F

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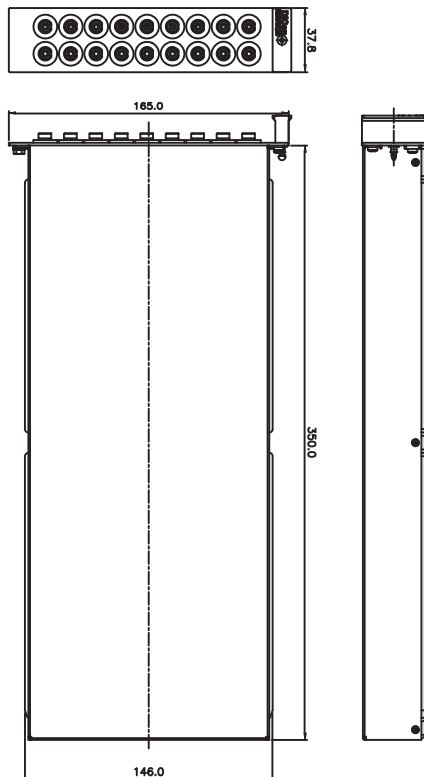
OPTICAL SPECIFICATIONS¹

PARAMETER		RATING
Insertion Loss ^{2,3}	1x2, 1x4	1.0 dB max.
	1x8	1.4 dB max.
	1x12, 1x16	1.6 dB max.
Crosstalk	50 μ m	-25 dB max.
	62.5 μ m	-20 dB max.
Back Reflection		-20 dB max.
Switching Time		30 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		50 μ m or 62.5 μ m Multi-mode Fiber

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

MECHANICAL DIMENSIONS

(Units: mm)



ORDERING INFORMATION

GPM - 1S - □ / □ - □ - □ - □

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≤16

Large port counts available upon request

Wavelength Range

8 850 nm only

9 980 nm only

8/13 850 & 1310 nm

Fiber and Jacket Type

50 50 μ m fiber

62 62.5 μ m fiber

Connector Type

FC FC/PC

LC LC/PC

SC SC/PC

ST ST/PC

N NONE

Need more channels?

Larger 1xN port counts up to 1x100 are available upon request. Please contact DiCon for details.



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