

GP750 PROGRAMMABLE INSTRUMENT

SINGLE MODE 1XN SWITCH PLUG-IN MODULE

DiCon's Single 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

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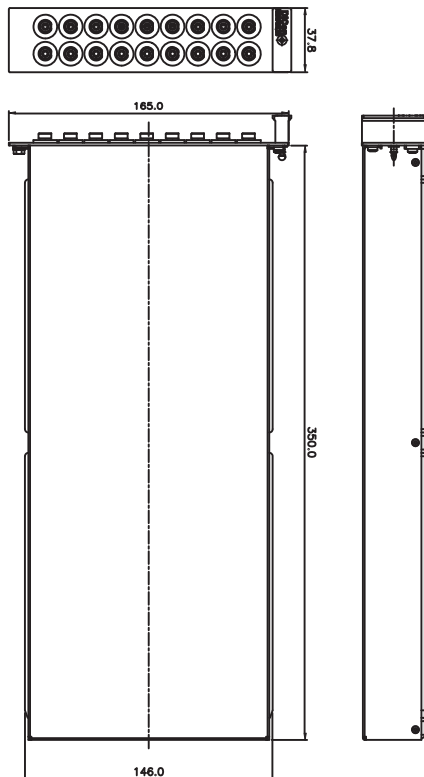
SINGLE MODE 1XN SWITCH PLUG-IN

OPTICAL SPECIFICATIONS¹

PARAMETER		RATING
Insertion Loss ^{2,3}	1x2, 1x4, 1x8	0.8 dB max.
	1x12	1.2 dB max.
	1x16	1.5 dB max.
Crosstalk		-50 dB max.
Back Reflection		-50 dB max.
Switching Time		30 ms max.
TDL		0.4 dB max.
WDL ⁴		0.3 dB max.
PDL		0.15 dB max.
Repeatability ⁵		0.04 dB max.
Durability		10 ⁹ cycles min.
Optical Power		500 mW max.
Fiber Type		9/125 μm single mode

- Specifications are without connectors.
- IL is measured at CWL, 23°C.
- IL is for single band. Dual-band adds 0.2 dB.
- WDL is measured in a +/- 20nm range at 23°C.
- Repeatability is defined after 100 cycles.

MECHANICAL DIMENSIONS (Units: mm)



ORDERING INFORMATION

GPM - 1S - □ / □ - □ - 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≤16
Large port counts available upon request

Wavelength Range

13	1290 - 1330 nm
15	1530 - 1570 nm
16	1570 - 1610 nm
13/15	1290 - 1330 & 1530 - 1570 nm
15/16	1530 - 1570 & 1570 - 1610 nm

Fiber and Jacket Type

9 Corning SMF-28 9μm fiber
Or other equivalent 9μm Singlemode fiber

Connector Type

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

Need more channels?

Larger 1xN port counts up to 1x128 are available upon request. Please contact DiCon for details.