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New Improved Specs

Modular GP700

Multi-Channel Switch Plug-In

DiCon's Multi-Channel Switch Plug-In offers accurate connection of one or two input fiber channels to a maximum of 16 output fiber channels. The Plug-In is designed for easy installation into DiCon's GP700M Modular Mainframe. DiCon's Multi-Channel Switch Plug-In can be built with Corning SMF-28, Flexcor 1060 or Polarization Maintaining Panda fiber.

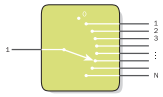


Features

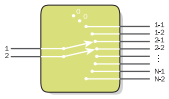
- Very low insertion loss
- Low back-reflection
- Precise repeatability
- Flexible fiber types and wavelength ranges

Applications

Simplex 1xN Switches have one input aligned to one of N outputs. The components switch in one-channel increments. Duplex 1xN switches have two inputs aligned to two outputs. They switch in two-channel increments.

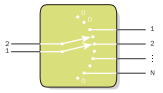


Simplex 1xN

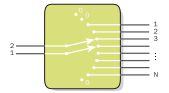


Duplex 1xN

Blocking 2xN switches have two inputs aligned with only one output. The components switch in half-channel increments. Non-blocking 2xN switches have two inputs aligned with two outputs. They switch in one-channel increments.



Blocking 2xN



Non-Blocking 2xN

DiCon FIBEROPTICS, INC

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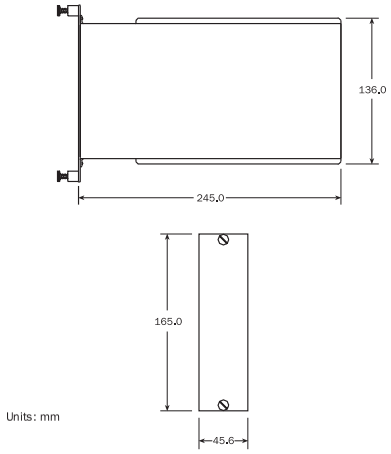
Modular GP700

Specifications[1]

Insertion loss[2]		0.6 dB typ., 1.0 dB max.
Back-reflection	singlemode	-55 dB max.
	multimode	-20 dB typ.
Repeatability[3]		±0.02 dB max.
PDL[4]		0.05 dB max.
Cross-talk		-80 dB max.
Extinction ratio[5]		18 dB min.
Durability		10 million cycles min.
Switching time		620 ms max.
Optical power[6]		300 mW max.
Operating temperature		0°C to +40°C max.
Storage temperature		-20°C to +60°C
Humidity		40°C/90%RH/5 days

1. All specifications referenced without connectors.
2. 1.2 dB max. for multiple wavelength ranges.
3. Sequential repeatability for 100 cycles at constant temperature after warm-up.
4. Singlemode only. Measured at 1550 nm.
5. Corning Panda PM 1300 fiber type only.
6. High power version (2W) available as special order.

Housing Dimensions



Units: mm

Ordering Information

PM - □ - □ - □ - □

Switch Configuration

1x4	Simplex 1x4
1x8	Simplex 1x8
1x12	Simplex 1x12
1x16	Simplex 1x16
1x2/DS	Synchronous Duplex 1x2
1x4/DS	Synchronous Duplex 1x4
1x6/DS	Synchronous Duplex 1x6
2x4/LB	Blocking 2x4
2x8/LB	Blocking 2x8
2x12/LB	Blocking 2x12
2x4/LN	Non-blocking 2x4
2x8/LN	Non-blocking 2x8
2x12/LN	Non-blocking 2x12

Fiber Type

9	9/125[1]
50	50/125
62	62.5/125
10	Flexcor 1060[2]
PM	Panda 1300[3]

Wavelength Range[4]

10	960 - 1000 nm[5]
8/13	780 - 1350 nm[6]
13/15	1290 - 1360 nm and 1530 - 1560 nm[7]
13/16	1290 - 1360 nm and 1530 - 1610 nm[7]
15	1530 - 1560 nm[8]
16	1530 - 1610 nm[7]

Adapter Type

FC	FC/SPC
FC/APC	FC/APC
FC/UPC	FC/UPC
SC	SC/SPC
SC/APC	SC/APC
SC/UPC	SC/UPC
ST	ST/SPC
ST/UPC	ST/UPC
LC	LC/UPC

1. Corning fiber SMF-28.
2. Corning Flexcor 1060 fiber with 250um jacket.
3. Corning Panda PM 1300 fiber with 400 um jacket.
4. All wavelengths referenced to vacuum.
5. Flexcor only.
6. Multimode fiber only.
7. 9/125 fiber only.
8. 9/125 fiber and Panda 1300 fiber only.

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Modular GP700 Multi-Channel Switch Plug-In

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