DiCon Fiberoptics, Inc.

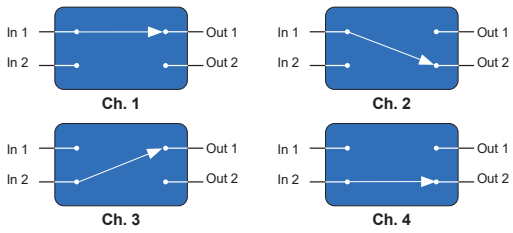
GP850 OPTICAL SWITCH

Singlemode 2x2 Configurable Switch Slot Card

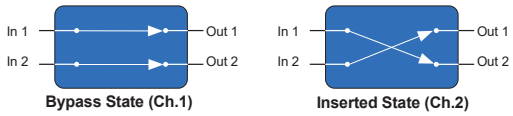
DiCon's **2x2 Configurable Switch Slot Card** offers accurate and fast switching speeds to insert or bypass a customer device or optical component. Each slot card is designed for easy integration into DiCon's GP850 modular system. All slot cards are hot swappable and require no configuration, providing true plug-and-play functionality.

- Precise repeatability
- Fast switching time MEMS
- Proven MEMS Durability and Reliability
- Compact Form Factor
- Low Power Consumption

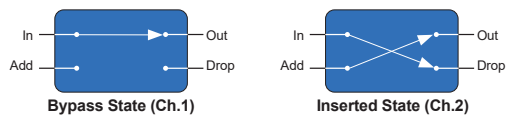
2x2 Blocking



2x2 Non-Blocking



2x2 Add/Drop



ORDERING INFORMATION

GP850 - SL - M - □ - □ - □ - 9 - □ - □ - □ - N

Product Type

SL	Slot Card

Device Type

M	MEMS Switch

Configuration

X/2x2/BK	# of Switches / 2x2 Blocking
X/2x2/NB	# of Switches / 2x2 Non-Blocking
X/2x2/AD	# of Switches / 2x2 Add/Drop

**Please refer to the configuration diagram for details.*

Slot Width

1S	1-Slot Width
2S	2-Slot Width

**Custom multi-slot modules are available upon request*

Alignment Type

T	Transparent
P	Opaque

Fiber Type

9	9/125 µm SMF

**Other fiber options are available upon request*

Test Wavelength

O	1310 nm
C	1550 nm
L	1590 nm

**Use "/" to add multiple wavelengths (E.g., O/C or O/C/L)*

Power-On State

0	Channel 0 (Off state)
1	Channel 1
X	Channel X

Connector Type

FC	FC/UPC
FC/APC	FC/APC
LC	LC/UPC
LC/APC	LC/APC
SC	SC/UPC
SC/APC	SC/APC

**Other connector types are available upon request*

Connector Key Orientation

N	None

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OPTICAL SPECIFICATIONS[1]

Operating Wavelength		1260 to 1680 nm
Insertion Loss[2]	Blocking	0.8 dB max.[3]
	Non-Blocking	1.0 dB max.[3,4]
	Add/Drop	0.8 dB max.[3]
PDL[5,9]		0.1 dB max.
WDL[5,6,9]		0.2 dB max.
Repeatability[7]		0.02 dB max.
Transition Time[8,9]		20 ms max.
Crosstalk[9]		-50 dB max.
Back Reflection		-50 dB max.
Durability[9]		1 Billion Cycles min.
Optical Power[9]		500 mW max.
Fiber Type		Singlemode

1. All specifications are measured separately at room temperature for each Test Wavelength
2. Measured with 3-jumper method or equivalent (See TIA/EIA 526-7)
3. Multi-band adds 0.2 dB
4. In 2 to Out 2 path adds 0.8 dB
5. In 2 to Out 2 path adds 0.1 dB
6. WDL is defined within Test Wavelength ±20 nm
7. Repeatability is defined over 100 cycles; In 2 to Out 2 adds 0.02 dB
8. Optical transition time for all ports switching concurrently, not including command processing overhead
9. Met by design, not measured

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	0 to 50°C, < 85% RH
Storage Temperature	-40 to 70°C, < 40% RH

MECHANICAL SPECIFICATIONS

Dimensions in mm