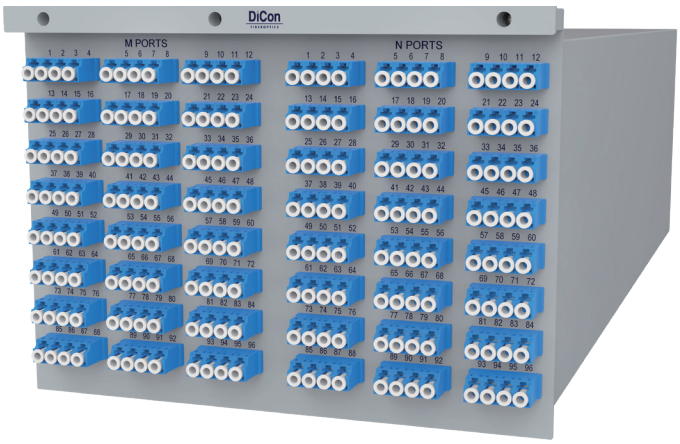
DiCon Fiberoptics, Inc.

GP850 OPTICAL SWITCH

Singlemode 96x96 Slot Card

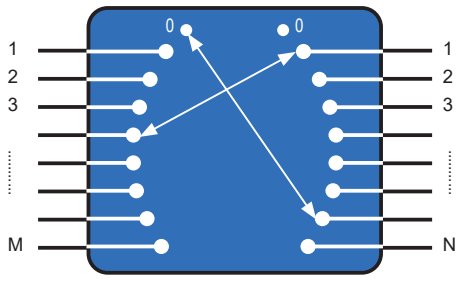


DiCon's **3D Matrix Switch Slot Card** is a proprietary optical switch that allows any of the inputs to connect to any of the outputs in a non-blocking optical cross-connect configuration. This innovative design is based on arrays of DiCon's industry proven MEMS mirrors, which redirect light from the input fibers to the requested output fibers. For ease of control, this 3D Matrix Switch is provided as a Slot Card for use in DiCon's GP850 modular system.

- 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.



Up to 96x96

ORDERING INFORMATION

GP850 - SL - SX - □ - □ - 9 - □ - □ - N

Product Type

SL	Slot Card

Device Type

SX	MEMS Matrix Switch

Configuration

T96x96	96x96
TMxN	MxN (M, N≤96)

Slot Width

6S	6-Slot Width
8S	8-Slot Width

**Please consult DiCon*

Fiber Type

9	9/125 µm SMF

**Other fiber options available upon request*

Test Wavelength

O	1310 nm
E	1410 nm
S	1490 nm
C	1550 nm
L	1590 nm
U	1650 nm

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

Connector Type

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

**Other connector types available upon request*

Connector Key Orientation

N	None

DiCon® FIBEROPTICS

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OPTICAL SPECIFICATIONS [1]

Wavelength Range	1260 to 1675 nm
Insertion Loss[2]	< 1.2 dB
Loss Repeatability[3]	+/- 0.03 dB
Connection Stability[4,5]	+/- 0.03 dB
PDL[5]	< 0.1 dB
WDL[5,6]	< 0.3 dB
Crosstalk[5]	< -60 dB
Back Reflection	< -50 dB
Optical Transition Time[5,7]	< 25 ms
Switch Lifetime	> 1 Billion Cycles
Input Power Range	Dark to +27 dBm

1. Measured separately for each Test Wavelength
2. Measured with 3-jumper method or equivalent. See TIA/EIA 526-7.
3. Over 100 cycles
4. 1 Hz sampling rate for 15 min
5. Met by design, not measured
6. WDL is defined within Test Wavelength ±20 nm
7. Optical transition time for all ports switching concurrently, not including command processing overhead

MECHANICAL SPECIFICATIONS

Dimensions in mm