GP850 OPTICAL SWITCH

Singlemode 16x16 Slot Card

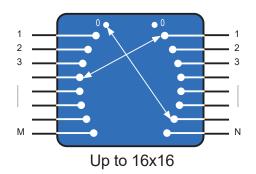


DiCon's **3D Matrix Switch Slot Card** is a proprietary optical switch that allows any of the inputs to connect to any of the outputs in a non-blocking optical cross-connect configuration. This innovative design is based on arrays of DiCon's industry proven MEMS mirrors, which redirect light from the 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.

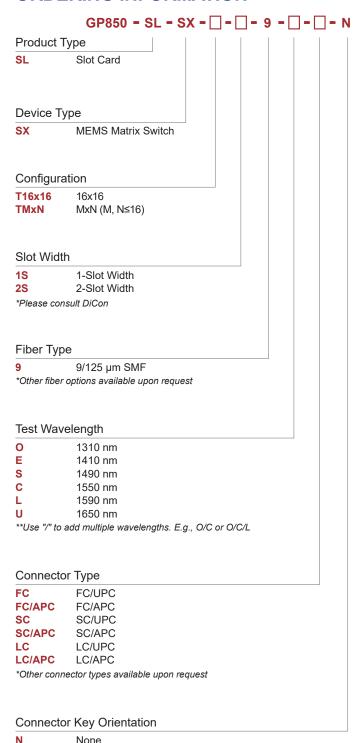
- · Precise Repeatability
- · Fast Switching Time
- · MEMS Durability and Reliability

Applications

Matrix optical switches allow resources to be shared within R&D or Production labs, while also being reconfigurable to adapt to future changes.



ORDERING INFORMATION





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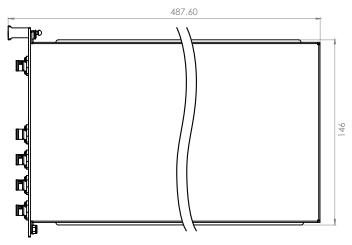
OPTICAL SPECIFICATIONS¹

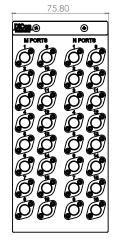
Wavelength Range	1260 to 1675 nm
Insertion Loss ²	< 1.0 dB
Loss Repeatability ³	+/- 0.03 dB
Connection Stability ^{4,5}	+/- 0.03 dB
PDL⁵	< 0.1 dB
WDL ^{5,6}	< 0.3 dB
Crosstalk ⁵	< -60 dB
Back Reflection	< -50 dB
Optical Transition Time ^{5,7}	< 25 ms
Switch Lifetime	> 1 Billion Cycles
Input Power Range	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





DiCon Fiberoptics, Inc. www.diconfiberoptics.com