MEMS 1X2 OPTICAL SWITCHING SYSTEM

GP800 Model, Singlemode Fiber

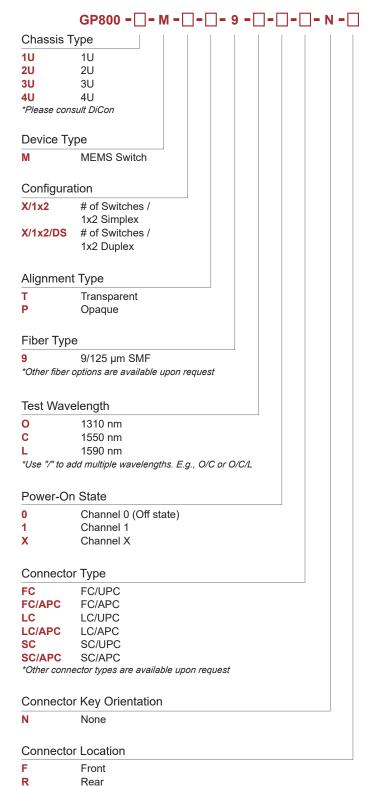


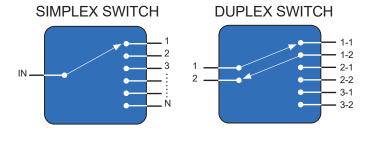
DiCon's **GP800 1x2 Optical Switching System** enables the automated connection of one common fiber to any of N output fibers.

The **GP800 System** comes with multiple control interfaces for users to choose from and there are many options to customize the product, including adding other optical components to meet unique requirements.

- · Interfaces Web GUI, SSH, RS232, REST API, Telnet
- · Optical Transition Time < 25 ms
- Lifetime > 1 billion switch cycles
- · Low power consumption
- · Proven MEMS platform commercial deployment since 2001
- · Low MEMS drive voltage simple and reliable electronics
- · Intelligent hardware field serviceable electronics

ORDERING INFORMATION







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OPTICAL SPECIFICATIONS¹

Operating Wavelength	1260 to 1680 nm
Insertion Loss ²	0.6 dB max. ³
PDL ⁴	0.1 dB max.
WDL ^{4,5}	0.2 dB max.
Repeatability ⁶	0.02 dB max.
Transition Time ^{7,8}	25 ms max.
Crosstalk ⁸	-50 dB max.
Back Reflection	-50 dB max.
Durability ⁸	1 Billion Cycles min.
Optical Power ⁸	500 mW max.
Fiber Type	Singlemode

- 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 0.3 dB
- 4. Multi-band adds 0.1 dB
- 5. WDL is defined within Test Wavelength ±20 nm
- 6. Repeatability is defined over 100 cycles
- Optical transition time for all ports switching concurrently, not including command processing overhead
- 8. Met by design, not measured

ELECTRICAL SPECIFICATIONS

Power Supply	100-240 VAC, 50/60 Hz
Connectors	RJ45 (Ethernet) DB9 (RS232) USB-C (Service)
Control Interface	Web GUI, SSH, RS232, REST API, Telnet

ENVIRONMENTAL SPECIFICATIONS

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

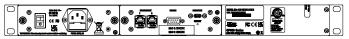
MECHANICAL SPECIFICATIONS

Chassis Width	483 mm (19")
Chassis Depth	435 mm (17")
Chassis Height	1U/2U (Front/Back, FC) 1U/2U (Front/Back, SC) 1U/1U (Front/Back, LC)

Front View



Rear View



DiCon Fiberoptics, Inc. — www.diconfiberoptics.com