## **MEMS 1X8 OPTICAL SWITCHING SYSTEM**

# **GP800 Model, Single Mode Fiber**



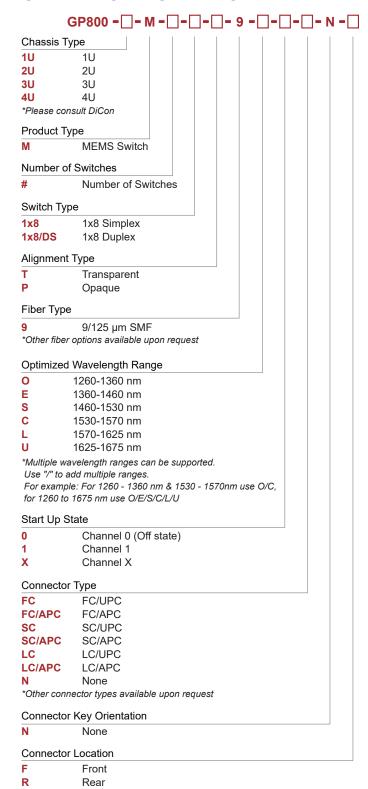
DiCon's **GP800 1x8 Optical Switching System** enable the automated connection of one common fiber to any of N output fibers.

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
- Low insertion loss 0.4dB typical (excluding connector loss)
- Switching time < 25 ms</li>
- 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

# SIMPLEX SWITCH DUPLEX SWITCH 1-1 1-2 2-1 2-2-2 3-1 3-2

#### **ORDERING INFORMATION**





## **MEMS 1X8 OPTICAL SWITCHING SYSTEM**

# **GP800 Model, Single Mode Fiber**

## **OPTICAL SPECIFICATIONS**

Wavelength Range	1260 to 1675 nm
Insertion Loss <sup>1,2</sup>	< 0.7 dB
PDL <sup>3</sup>	< 0.1 dB
WDL <sup>4,5</sup>	< 0.2 dB
Crosstalk	< -50 dB
Back Reflection	< -50 dB
Switching Time, All Channels	< 25 ms
Switch Lifetime	> 1 Billion Cycles
Opticel Power	500 mW Max.

- Excluding connector loss. Equivalent to Method A.3 Three Jumper (TIA/EIA-526-7). Tested at calibrated wavelengths.
- 2. IL add 0.3 dB for multi-band operation  $\,$
- 3. PDL add 0.1 for multi-band operation
- 4. WDL add 0.1 dB for multi-band operation
- 5. Over the operating wavelength range of each band

## **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)

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