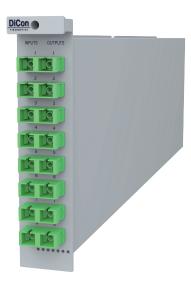
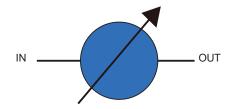
### **GP850 MEMS VARIABLE OPTICAL ATTENUATOR**

### **Polarization Maintaining MEMS VOA Slot Card**

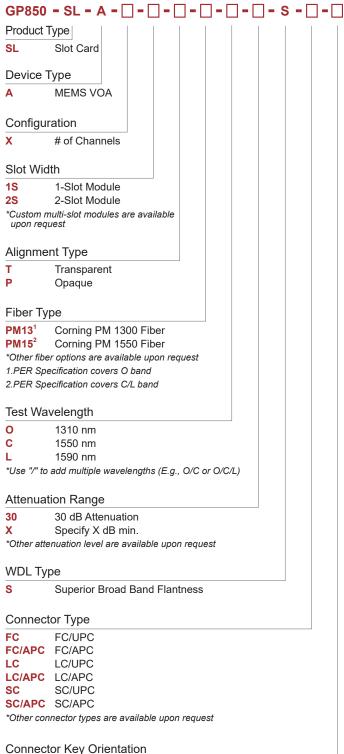


DiCon's **MEMS Variable Optical Attenuator (VOA) Slot Card** maintains optical power at a present level for up to sixteen fiber channels. Each slot card is designed for easy integration into DiCon's GP850 modular system. All slot cards are hot swappable and require no configuration, offering true plug-and-play functionality.

- Proven MEMS Durability and Reliability
- Compact Form Factor
- Excellent Output Accuracy
- · Wide Attenuation Range
- Low Insertion Loss



# ORDERING INFORMATION





Slow Axis

Fast Axis

F

### **GP850 MEMS VARIABLE OPTICAL ATTENUATOR**

## **Polarization Maintaining MEMS VOA Slot Card**

### OPTICAL SPECIFICATIONS<sup>1</sup>

Operating Wavelength	1260 to 1680 nm	
Excess Loss <sup>2</sup>	0.6 dB max.	
WDL <sup>3</sup>	0 to 1 dB	0.3 dB max.4
	1 to 5 dB	0.5 dB max.4
	5 to 10 dB	0.6 dB max.4
	10 to 20 dB	1.0 dB max.4
PER⁵	16 dB min.	
Back Reflection	-50 dB max.	
Response Time <sup>6</sup>	2 ms max.	
Repeatability <sup>7</sup>	0.1 dB max.	
Durability <sup>8</sup>	1 Billion Cycles min.	
Optical Power <sup>8</sup>	500 mW max.	
Fiber Type	Panda PM	

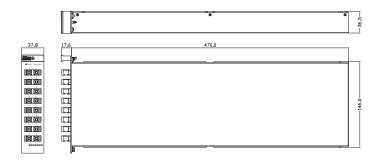
- All specifications are measured separately at room temperature for each Test
  Wavelength
- 2. Measured with 3-jumper method or equivalent (See TIA/EIA 526-7)
- 3. WDL is defined within Test Wavelength  $\pm 20~\text{nm}$
- 4. O-band adds 0.1 dB
- 5. PER is defined with connectors; PER without connectors is 18 dB minimum
- 6. Optical transition time; the actual processing delay to execute the attenuation command is longer
- 7. Repeatability is defined within 100 cycles
- 8. 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**

Slot Width	37.8 mm
Slot Depth	487.6 mm
Slot Height	146 mm



DiCon Fiberoptics, Inc. www.diconfiberoptics.com