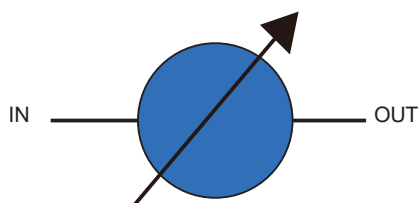


GP850 MEMS VARIABLE OPTICAL ATTENUATOR

Singlemode MEMS VOA Slot Card

DiCon's **Precision 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.

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



ORDERING INFORMATION

GP850 - SL - A - - - - 9 - - - S - - N

Product Type

SL Slot Card

Device Type

A MEMS VOA

Configuration

X # of Channels

Slot Width

1S 1-Slot Module

2S 2-Slot Module

**Custom multi-slot modules are available upon request*

Alignment Type

T Transparent

P Opaque

Fiber Type

9 9/125 μ m SMF

**Other fiber options are available upon request*

Test Wavelength

O 1310 nm

C 1550 nm

L 1590 nm

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

Max Attenuation

30 30 dB Attenuation

X Specify X dB min.

**Other attenuation level are available upon request*

WDL Type

S Superior Broad Band Flatness

Connector Type

FC FC/UPC

FC/APC FC/APC

LC LC/UPC

LC/APC LC/APC

SC SC/UPC

SC/APC SC/APC

**Other connector types are available upon request*

Connector Key Orientation

N None

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OPTICAL SPECIFICATIONS¹

Operating Wavelength		1260 to 1680 nm
Excess Loss ²		0.6 dB max. ³
WDL ⁵	0 to 5 dB	0.3 dB max. ⁴
	5 to 10 dB	0.5 dB max. ⁴
	10 to 20 dB	0.8 dB max. ³
PDL	0 to 15 dB	0.15 dB max. ⁴
	15 to 20 dB	0.2 dB max. ³
Tuning Resolution		0.01 dB max.
Back Reflection		-50 dB max.
Resolution Time		2 ms max.
Repeatability ⁶		0.1 dB max.
Durability		1 Billion Cycles min.
Optical Power		500 mW max. ⁷
Fiber Type		Singlemode

1. 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 0.2 dB

4. Multi-band adds 0.1 dB

5. WDL is defined within Test Wavelength ± 20 nm

6. Repeatability is defined over 100 cycles

7. 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