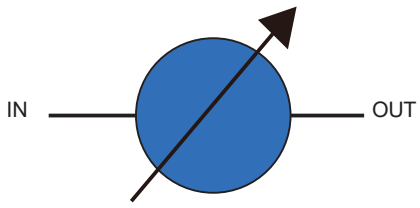
DiCon Fiberoptics, Inc.

GP850 MEMS VARIABLE OPTICAL ATTENUATOR

Singlemode 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

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 µm 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)*

Attenuation Range

30	30 dB Attenuation
X	Specify X dB min.

**Other attenuation level are available upon request*

WDL Type

S	Superior Broad Band Flantness

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

TAA COMPLIANT

DiCon® FIBEROPTICS

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OPTICAL SPECIFICATIONS[1]

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.
Response Time[6]		2 ms max.
Repeatability[7]		0.1 dB max.
Durability[8]		1 Billion Cycles min.
Optical Power[8]		500 mW max.
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. Optical transition time; the actual processing delay to execute the attenuation command is longer
7. Repeatability is defined over 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

Dimensions in mm