DiCon Fiberoptics, Inc.

MEMS VARIABLE OPTICAL ATTENUATOR

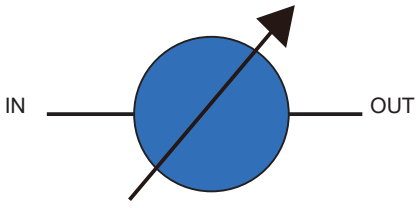
GP800 Model, Polarization Maintaining Fiber

DiCon's **MEMS Variable Optical Attenuator (VOA)** allows for a precise amount of attenuation to be added to an optical path in polarization maintaining fiber applications.

- Industry proven MEMS technology
- Reliable, long life design
- High density to minimize rack space

Applications

- Optical Communications
- Fiber Sensing
- DWDM Gain Equalization
- Bio-medical Instrumentation



ORDERING INFORMATION

GP800 -□- A -□-□-□-□-□- S -□-□-□

Chassis Type

1U	1U
2U	2U
4U	4U

**Please consult DiCon*

Device Type

A	MEMS VOA

Configuration

X	# of Channels

Alignment Type

T	Transparent
P	Opaque

Fiber Type

PM13[1]	Corning PM 1300 Fiber
PM15[2]	Corning PM 1550 Fiber

**Other fiber options are available upon request*
1. PER specification covers O band
2. PER specification covers C/L band

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 levels 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

S	Slow Axis
F	Fast Axis

Connector Location

F	Front
R	Rear

TAA COMPLIANT

DiCon® FIBEROPTICS

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OPTICAL SPECIFICATIONS[1]

Operating Wavelength	1260 to 1680 nm	
Excess Loss[2]	0.6 dB max.	
WDL[3]	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]
PER[5]	16 dB min.	
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	Panda PM	

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. WDL is defined within Test Wavelength ±20 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

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

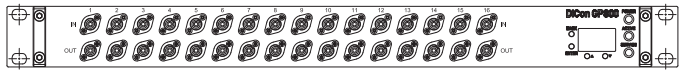
ENVIRONMENTAL SPECIFICATIONS

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 : 44 mm (1.7”) 2U : 88 mm (3.5”) 4U : 177 mm (7.0”)

Front View



Rear View