

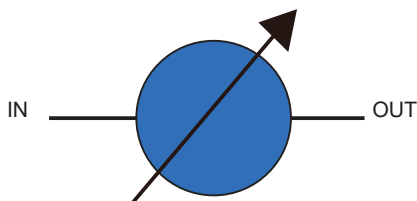
PRECISION VARIABLE OPTICAL ATTENUATOR

GP800 Model, Singlemode Fiber



DiCon's **Precision Variable Optical Attenuator (VOA)** allows for a specified amount of attenuation to be added to an optical path by precisely positioning a variable neutral density filter in the light path.

- Ideal for Singlemode Fiber
- Stable Attenuation
- 60 dB Attenuation Range



ORDERING INFORMATION

GP800 - ☐ - NAT800 - ☐ - N - ☐ - ☐ - ☐ - N - ☐ - N - ☐

Chassis Type

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

**Please consult DiCon*

Product Type

NAT800 Neutral Density Attenuator

Configuration

X # of Channels

Alignment Type

N None

Fiber Type

9 9/125 μ m SMF
HI1060¹ Corning HI 1060 Fiber

**Other fiber options are available upon request
1.Operation covers 980 nm & 1060 nm*

Test Wavelength

980 980 nm
1060 1060 nm
O 1310 nm
C 1550 nm
L 1590 nm

**Use "/" to add multiple wavelengths (E.g., 980/1060)*

Max Attenuation

60 60 dB Attenuation
X Specify X dB min.

**Other attenuation level are available upon request*

WDL Type

N None

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

Connector Location

F Front
R Rear

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OPTICAL SPECIFICATIONS¹

Operating Wavelength		1260 to 1680 nm
Attenuation Range		0 - 60 dB max.
Excess Loss ²		1.1 dB min. ³
Flatness	0 to 30 dB	±0.1 dB max.
PDL	0 to 20 dB	0.2 dB max
	20 to 30 dB	0.3 dB max.
Back Reflection		-50 dB max.
Repeatability ⁴		±0.05 dB max.
Attenuation Accuracy	0 to 30 dB	±0.2 dB max.
	30 to 40 dB	±0.3 dB max.
Tuning Resolution	0 to 40 dB	0.04 dB max.
Tuning Speed		1800 ms max.
Optical Power ⁵		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. Repeatability is defined over 100 cycles

5. 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

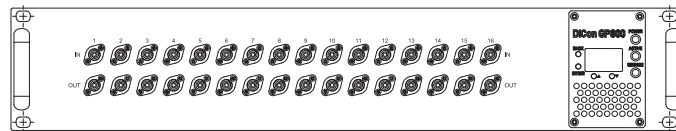
ENVIRONMENTAL SPECIFICATIONS

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

