

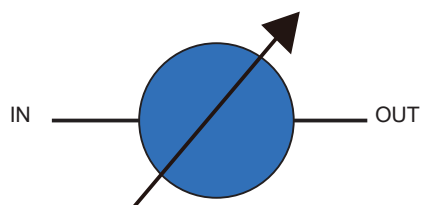
GP850 PRECISION VARIABLE OPTICAL ATTENUATOR

Singlemode NAT800 Slot Card



DiCon's **Precision Variable Optical Attenuator (VOA) Slot Card** provides precise optical attenuation control for up to Eight fiber channels by positioning a variable neutral density filter in the light path. 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.

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



ORDERING INFORMATION

GP850 - SL - NAT800 - ☐ - ☐ - N - ☐ - ☐ - ☐ - N - ☐ - N

Product Type

SL Slot Card

Device Type

NAT800 Neutral Density Attenuator

Configuration

X # of Channels

**Choose X ≤ 8*

Slot Width

1S 1-Slot Module

2S 2-Slot Module

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

Alignment Type

N None

Fiber Type

9 9/125 μm 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 available upon request*

Connector Key Orientation

N None

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OPTICAL SPECIFICATIONS¹

Operating Wavelength		1260 to 1680 nm
Attenuation Range		0 - 60 dB max.
Excess Loss ²		1.1 dB max. 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

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

