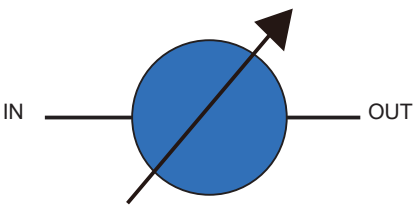
DiCon Fiberoptics, Inc.

# GP850 PRECISION VARIABLE OPTICAL ATTENUATOR

## Multimode HAT Slot Card


DiCon's **Precision Variable Optical Attenuator (VOA) Slot Card** provides precise optical attenuation control for up to twelve 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 Multimode Fiber
- Stable Attenuation, Independent of Mode Fill Condition
- 60 dB Attenuation Range




## ORDERING INFORMATION

**GP850 - SL - HAT - □ - □ - N - □ - □ - □ - □ - N - □ - N**

**Product Type**

| | |
|---|---|
| **SL** | Slot Card |

**Device Type**

| | |
|---|---|
| **HAT** | Hermetic Neutral Density Attenuator |

**Configuration**

| | |
|---|---|
| **X** | # of Channels |

**Slot Width**

| | |
|---|---|
| **1S** | 1-Slot Module |
| **2S** | 2-Slot Module |

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

**Alignment Type**

| | |
|---|---|
| **N** | None |

**Fiber Type**

| | |
|---|---|
| **50** | 50/125 µm MMF |
| **62** | 62/125 µm MMF |

**Other fiber options are available upon request*

**Test Wavelength**

| | |
|---|---|
| **850** | 850 nm |
| **980** | 980 nm |
| **O** | 1310 nm |
| **C** | 1550 nm |

**Use "/" to add multiple wavelengths (E.g., 850/980)*

**Attenuation Range**

| | |
|---|---|
| **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 |

TAA COMPLIANT

DiCon® FIBEROPTICS

# GP850 PRECISION VARIABLE OPTICAL ATTENUATOR

## Multimode HAT Slot Card

## OPTICAL SPECIFICATIONS[1,2]

| | | |
|---|---|---|
| Operating Wavelength | | 850 / 1310 / 1550 nm |
| Attenuation Range | | 0 - 60 dB max. |
| Excess Loss[3] | | 0.8 dB max.[4] |
| Flatness | | ±0.1 dB max. |
| Back Reflection | | -30 dB max. |
| Repeatability[5] | | ±0.05 dB max. |
| Attenuation Accuracy | 0 to 30 dB | ±0.2 dB max. |
| | 30 to 40 dB | ±0.3 dB max. |
| Tuning Speed[6] | 0 to 30 dB | 1400 ms max. |
| | 0 to 60 dB | 2600 ms max. |
| Optical Power[7] | | 500 mW max. |
| Fiber Type | | Multimode |

1. All specifications are measured separately at room temperature for each Test Wavelength
2. Multimode fiber specifications are based on LED light source
3. Measured with 3-jumper method or equivalent (See TIA/EIA 526-7)
4. Multi-band adds 0.2 dB
5. Repeatability is defined by randomly cycling between a handful of attenuation states more than 100 times each
6. Startup time and Reset time is typically <10 sec. The operation is invalid during this time
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

Dimensions in mm