

# Manual Variable Optical Attenuator

CORNING

## Features and Benefits

**Low PDL and WDL**

**High repeatability and resolution**

**Compact size and rugged construction**

**Board mount package**

**Multi-channel wavelength performance**

Corning offers a high-performance manual Variable Optical Attenuator (VOA) designed for DWDM applications. The manual VOA offers stable performance over temperature, wavelength, and high resolution throughout the attenuation range. These components provide low minimum insertion loss and are designed for flat wavelength characteristics across the wide wavelength region. Corning attenuator products have low polarization dependent loss and low wavelength dependent loss. The manual VOA is also available to meet customer-specific requirements.

## Standards

<b>RoHS</b>	Free of hazardous substances according to RoHS2011/65/EU
<b>Design and Test Criteria</b>	Product is qualified to GR-910-CORE



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## Specifications

Parameters	Minimum	Typical	Maximum
Wavelength Range	1290 nm		1610 nm
Insertion Loss*			1.0 dB
Attenuation Resolution			0.1 dB
Wavelength Dependent Loss (1290-1570 nm)			0.3 dB
Wavelength Dependent Loss (1520-1610 nm)			0.4 dB
Return Loss	40 dB	45 dB	
PDL			0.15 dB
PMD			0.1 ps
Optical Power			300 mW
Operating Temperature Range	-5°C		+65°C
Storage Temperature Range	-40°C		+85°C
* Specifications do not include connector loss			

## Shipping Package

Packaging Dimensions (L x H x W)	Fiber Type	Fiber Length
15.9 mm x 16 mm x 26 mm	250 μm bare fiber, 900 μm buffered fiber, 2 or 3 mm cable	1 m

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## Ordering Information

Manual Variable Optical Attenuator

VOA -  1   - 0

**1** **2** **3** **4** **5** **6**

**1** Select Type

- 1: Single
- 3: Dual

**2** Select Wavelength

- 1: Band
- 2: L Band
- 3: C & L Band
- 4: O & C Band
- 5: O & C & L Band

**3** Select Buffer Type

- 1: 250  $\mu$ m Bare Fiber
- 2: 900  $\mu$ m Loose Tube
- 3: 3 mm Cable
- 4: 2 mm Cable

**4** Select Connector\*

- A: None
- L: LC/PC
- P: FC/PC
- Q: FC/APC
- S: SC/PC
- T: SC/APC
- U: MU/PC

**5** Select Performance

- 0: 15 dB
- 1: 30 dB

**6** Select Custom Made

- 00: Standard
- Running number used for special types or custom made

**These part numbers are specific to Corning Optical Communications OEM Solutions Business Unit. Please contact OEM sales at +1-408-736-6900 or [oemsales@corning.com](mailto:oemsales@corning.com) and visit [www.corning.com/opcomm/oem](http://www.corning.com/opcomm/oem) for sales support.**



Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-743-2675 • FAX: 828-325-5060 • International: +1-408-736-6900 • [www.corning.com/opcomm/oem](http://www.corning.com/opcomm/oem) • Email: [oemsales@corning.com](mailto:oemsales@corning.com)

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