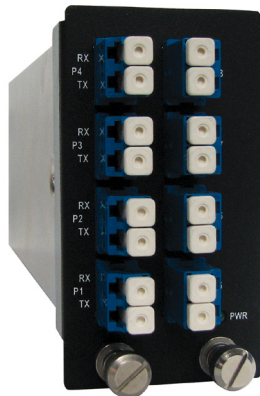


## Variable Optical Attenuators

EM316VOA-8



### Highlights

- Eight independent variable optical attenuator ports
- C-Band coverage (1528 nm - 1570 nm)
- 0 - 15 dB attenuation range
- Hot-swap support
- Network management with the EM316LNxNM-OT
  - Command line interface (CLI)
  - SNMP
  - Graphical interface (MegaVision) through SNMP

### Applications

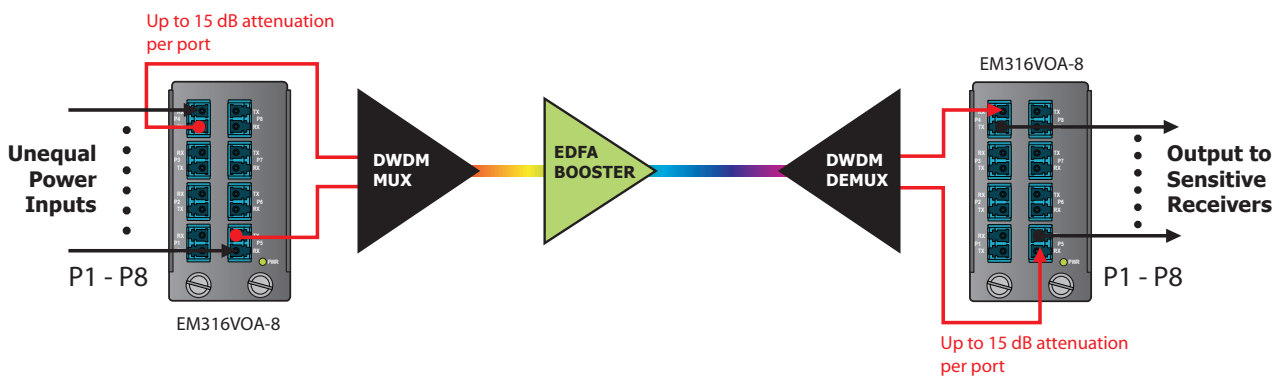
- Receiver protection from saturation or damage
- DWDM equalization

### Overview

Dynamic attenuation is often required in remote network locations where physical access is inconvenient. The EM316VOA-8 Variable Optical Attenuator (VOA) module attenuates up to eight optical signals. Each VOA port may be adjusted independently from anywhere on the network through the EM316LNxNM-OT Fiber Driver network manager installed in the chassis without affecting signals on the other ports. The attenuation ranges from 0 dB to 15 dB in steps of 0.1 dB.

The VOA module supports several common applications including:

1. Power reduction to avoid receiver saturation
2. DWDM equalization prior to aggregation and amplification
  - a. Unequal transponders transmit levels
  - b. Unequal transmit levels of an added wavelength vs. the "path-thru" wavelengths (OADM DWDM networks)





## Datasheet

## Technical Specifications

<b>Operating Wavelength Range</b>	C-Band 1528-1570 nm
<b>Attenuation Range</b>	0-15 dB
<b>Attenuation Resolution</b>	0.1 dB
<b>Insertion Loss (Including Connector)</b>	≤ 1.7 dB
<b>Connectors per Channel</b>	DLC

## Physical Specifications

<b>Operating Temperature Range</b>	5°C to 50°C (41°F to 122°F)
<b>Storage Temperature</b>	-40°C to 70°C (-40°F to 158°F)
<b>Relative Humidity</b>	85% maximum, non-condensing
<b>Physical Dimensions</b>	50 mm [H] x 90 mm [W] x 170 mm [D] (2" x 3.56" x 6.67")
<b>Weight</b>	Approximately 213 g (7.5 oz)
<b>Regulatory Compliance</b>	FCC Part 15 (Class A); IC (Class A); EMC Directive: Emission (Class A) and Immunity; RoHS Directive; China RoHS; WEEE Directive

## Ordering Information

Model	Function
<b>EM316VOA-8</b>	8-port Variable Optical Attenuator (VOA)

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