

[OEPAS-EVOA]

Electrically Variable Optical Attenuator with Latching

Features:

- Low insertion loss
- Compact size
- Low PDL & WDL
- Linear attenuation

Applications:

- Power equalization in multi-channel optically amplified network
- Gain-tilt control in optical amplifiers
- Transmitter power control
- Receiver power control
- OADM power balance

Product description:

Our Electrically Variable Optical Attenuator (EVOA) is designed to use for optimizing the optical power of signal at key points in optical communications networks. It is a new miniature variable attenuator for application in either the C or L band. The attenuator offers an improved thermal stability. The attenuator has the features of compact size, lightness, excellent stability and reliability.

Product specifications:

Parameters	Unit	EVOA
Optimized wavelength range	nm	1525 to 1565 (L band version available)
Attenuation range	dB	0~20 or 30
Attenuation resolution	dB	<=0.1
Insertion loss	dB	<=0.6
Return loss	dB	>=50
Polarization Dependent Loss	dB	<=0.1
Wavelength Dependent loss	dB	<=0.1
Repeatability of Attenuation Setting	dB	<=0.1
Operating temperature	°C	-5~+65
Electrical power consumption	W	<=2 (with latching)
Position sensor	K ohm	10~12
Size	mm	50x25x12 (single channel)

* Some limitations apply.

**Tuning range can significantly vary depending on FBG specifications.

*** Recommended values. The ambient environment temperature can limit the performance, incl. the tuning range.

- Channel number: single channel, 4 channel
- Wavelength: 1310nm, 1550nm, 1310/1550nm
- Monitor: w/ or w/o monitor
- Fiber type: 250um, 900um, 2mm, 3mm
- Fiber length: 1m, customer request
- Input/output: FC/PC, FC/APC, SC/PC, SC/APC, LC/PC, MU/PC, customer request