



Accelink's Voltage Controlled Optical Attenuator(EVOA) is designed to optimize the optical signal power of at key points of optical communication networks. It is a new miniature variable attenuator for either Cor L band applications. The attenuator offers high thermal stability, compact size and excellent reliability. The products meet the Telcordia GR-1221-CORE requirements.

## Features

- Compact size
- Linear Attenuation
- Latched if power lost

## Applications

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

## Specifications

Parameter	Unit	Value
Optimized wavelength range	nm	1310 or 1550
Attenuation range	dB	30
Attenuation resolution	dB	≤0.1
Minimum insertion loss <sup>1</sup>	dB	≤0.6
Attenuation temperature dependence	dB/°C	≤0.005
Attenuation wavelength dependence <sup>2</sup>	dB	≤0.3
Polarization dependent loss	dB	≤0.2
Polarization mode dispersion	ps	≤0.1
Return loss	dB	≥45
Response speed	ms/3dB	≤100
Attenuation setting repeatability	dB	≤0.1
Attenuation setting backlash	dB	≤0.2
Position sensor	K Ω	10 ± 2
Maximum optical power	mW	100
Operating temperature	°C	-15~+70
Storage temperature	°C	-40~+85
Package	mm	50×25×12

Note:1, Not include Connectors Loss. 2, Over full attenuation range for C or L band.

PIN	1	3	5	7	9	11
DEF	Motor A-	Motor B-	Pot Wiper	Pot -	NC	NC
PIN	2	4	6	8	10	12
DEF	Motor B+	Motor A+	Pot +	Case Ground	NC	NC

## Ordering information

EVOA	—	—	—	—	—	—
1: single channel	131: 1310nm 155: 1550nm 135: 1310 & 1550nm	09: Φ0.9mm	1: 1m customer specifies	FC, SC, LC, MU/PC, UPC, APC		
Channel number	Wavelength	Fiber Dia.	Fiber length	Connector		