

## Electrical Variable Optical Attenuator



### Product Introduction

EVOA is designed for optimizing the optical power of signal at key points in optical communications networks. The attenuator offers excellent wavelength dependence and ripple, low polarization dependent loss, and improved thermal stability.

### Features

- Low insertion loss
- Compact size
- Low PDL and WDL
- Attenuation linearity
- Resistance feedback

### Applications

- Power equalization in multi-channels optical amplified network
- Gain-tilt equalize in optical amplifier
- Transmitter power and receiver power control
- OADM power balance

### Standards

- Telcordia GR-1221-CORE
- RoHS

### Specifications

Parameter	Unit	Value		
		Min	Typical	Max
Wavelength range	nm	1310,1550,1310&1550		
Attenuation range	dB	0		30
Insertion loss	dB		0.60	1.0
Temperature dependence loss	dB			0.2
Wavelength dependence loss	dB			0.30
Polarization dependent loss	dB	Max: 0.20		
Polarization mode dispersion	ps			0.1
Response speed	ms/3dB			100
Attenuation setting repeatability	dB			0.1
Attenuation setting backlash	dB			0.2
resistance	KΩ	8		12
Maximum optical power	mW			300
Return loss	dB	Min: 45		
Operating temperature	°C	-5~+70		
Storage Temperature	°C	-40~+85		
Package	mm	50×25×12		

#### Ordering Information

EVOA- □-□-□-□-□

Connector: FC,SC,LC,MU/PC,UPC,APC,00: no connector

NA: the connectors are different between input ports and output ports.

Fiber length: 1:1m、customer specify

Fiber Dia.: 09: Φ0.9mm

Operating Wavelength: 1310:1310nm、1550:1550nm  
135:1310nm&1550nm

Channel number: 1:single channel