

Electrical Variable Optical Attenuator

MAKE YOUR
OPTICAL NETWORKS
MORE RELIABLE



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

The products are Telcordia GR-1221-CORE qualified, and RoHS compliant.

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 equaliation in optical amplifier
- Transmitter power and receiver power control
- OADM power balance

Specifications

Parameter	Unit	Value
Wavelength	nm	1310 or 1550
Attenuation Range	dB	15 or 30
Repeatability	dB	≤ 0.1
Minimum Insertion Loss	dB	≤ 0.6
Attenuation Temperature Dependence	dB/°C	≤ 0.005
Wavelength Dependence Loss	dB	≤ 0.3
Polarization Dependent Loss	dB	≤ 0.2
Polarization Mode Dispersion	ps	≤ 0.10
Return Loss	dB	≥ 45
Response Speed	ms/3dB	≤ 100
Attenuation Setting Repeatability	dB	≤ 0.1
Attenuation Setting Backlash	dB	≤ 0.2
Resistance	KΩ	10 ± 2
Drive Current	mA	180
Maximum Optical Power	mW	300
Operation Temperature	°C	-15~+70
Storage Temperature	°C	-40~+85
Package	mm	50×25×12

Note :Insertion loss doesn't include connector loss.

Ordering information

EVOA	—		—		—		—		—	
Channel Number		Wavelength		Fiber Type		Fiber Length		Connector		
1:single channel		131:1310nm 155:1550nm 135:1310&1550nm		09: Φ 0.9mm		1:1.0m customer specify		FC,SC,LC,MU/PC,UPC,APC		