

ELECTRICAL VARIABLE OPTICAL ATTENUATOR

EVOA Series

Features

- Wide λ Range
- Low Excess Loss
- High Repeatability
- High Resolution

Applications

- EDFA Channel Equalization
- Laboratory R&D

ELECTRICAL VARIABLE OPTICAL ATTENUATOR

Oplink's EVOA utilizes thin film filter technology and features high resolution and a wide dynamic range. It has low temperature-dependent loss, low insertion loss, low wavelength dependent loss, low polarization dependent loss and low insertion loss ripple. Its compact size allows mounting on printed circuit boards. The attenuator features latching operation and potentiometer feedback to control attenuator settings. It is excellent for power equalization in multi-channel optically amplified networks, for gain control in optical amplifiers and for power control in receivers.

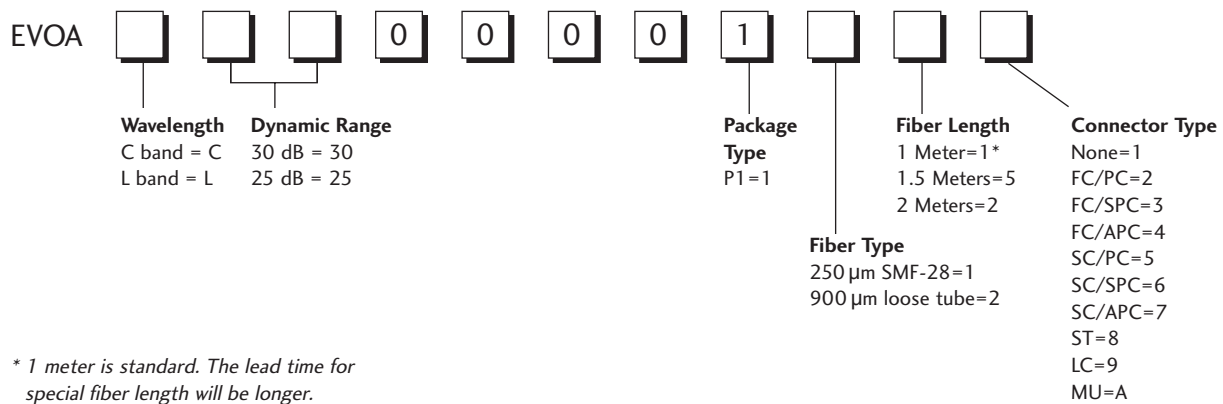


Performance Specifications

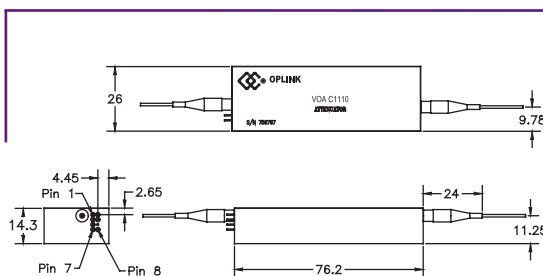
EVOA Series			Unit
Wavelength Range	C Band	1525 ~ 1565	nm
	L Band	1570 ~ 1610	nm
Excess Insertion Loss		< 0.6	dB
Attenuation Range		0 ~ 25 or 30	dB
Attenuation Resolution		< 0.15	dB
Repeatability		< 0.1	dB
Wavelength Dependent Loss (WDL), < 5 dB		< 0.1	dB
Wavelength Dependent Loss (WDL), > 5 dB		< 0.15	dB
Polarization Dependent Loss (PDL)		< 0.1	dB
Optical Return Loss		> 55	dB
Operating Power, Optical		< 500	mW
Operating Temperature		0 ~ 70	°C
Storage Temperature		-40 ~ 85	°C
ESD Threshold, Human Body Model		< 500	Volt
Fiber Type		Corning SMF-28	
Fiber Package		900 μ m loose tube	
Fiber Length		1.0 +/- 0.1	m
Physical Dimension (L x W x H)		P1: 76.2 x 26.0 x 14.3	mm
Electrical Pin Configuration			
Pin 1	Pin 2	Pin 3	Pin 4
Motor Phase B+	Motor Phase B-	Pot Ground	Pot Wipe
Pin 5	Pin 6	Pin 7	Pin 8
Pot +V	NC	Motor Phase A-	Motor Phase A+

Ordering Information

Oplink custom designs and manufactures high performance fiber optic networking components and integrated optical modules. Oplink can provide a remarkable range of customized optical solutions to meet your specific design needs. By combining our technical expertise with our extensive micro-optic manufacturing and packaging capability, your volume requirements for components and customized integrated products can be met. We are happy to discuss your requirements. Please contact Oplink's OEM Design Team or Sales Representative for ordering and price information (408) 965-7270.



Package Dimensions:



Spectral Performance:

