Fiber Optics

Optical Attenuator: Inline Variable (VOA)

This manually-adjusted, inline, variable optical attenuator (VOA) is used for precisely balancing the signal strengths in fiber circuits and also for balancing an optical signal when evaluating the dynamic range of the measurement system. These in-line VOAs include SMF-28e fiber with a 3mm jacket, and they are offered either terminated with FC/APC connectors or non-terminated. These attenuators are available with other connector styles; please contact your local Thorlabs office for a quotation.



Specifications

- Operating Wavelength: 1200 to 1600nm
- Fiber: SMF-28e or Equivalent
- Residual Attenuation: ≤1.5dB
- **Attenuation Range:** ≥50dB
- Attenuation Resolution: ≤0.1dB
- Back Reflection (Return Loss): <-55dB
- Polarization Sensitivity: ≤0.2dB
- **Optical Power:** ≤300mW
- **Thermal Stability:** ≤0.03dB/°C
- Operating Temperature: 0 to 60°C
- Storage Temperature: -40 to 75°C
- **Dimension:** 38 x 30 x 19mm

Passive Components

Collimation Packages

FiberBench

Optical Switches

Rackbox Systems

Connectors/ Termination Tools

Single Mode Fiber

Rare Earth Doped

Polarization Maintaining Fiber

Photonic Crystal Fiber

Multimode Fiber: Graded Index

Multimode Fiber: Step Index

Plastic Optical Fiber

Inline Variable Optic Attenuators

ITEM#	\$	£	€	RMB	DESCRIPTION
VOA50	\$ 221.45	£ 139.50	€ 205,90	¥ 2,114.80	Inline Variable Optical Attenuator, 50dB
VOA50-APC	\$ 264.85	£ 166.90	€ 246,30	¥ 2,529.30	Inline Variable Optical Attenuator, 50dB, FC/APC

New Electro-Optic Modulators EO-PM-NR-C1 EO-HVA EO-AM-NR-C2 EO-AM Halfwave Voltage Vs Wavelength Highlights 700 High Performance in a Compact Package 600 Halfwave Voltage (V) Broadband DC Coupled and High Q Resonant 500 Models for Low RF Drive Standard Broadband AR and Custom Coatings 2mm Diameter Clear Aperture 300 SMA Female Modulation Input Connector 200 MgO-Doped Versions for High Power 100 DC to 100MHz Custom OEM Versions Available 600 1000 1200 1600 1800 Wavelength (nm) See Page 684-685