

Fiber Optics

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:
Step & Graded Index

Plastic Optical Fiber

Optical Attenuator: Single Mode, Fiber Connector



These fiber connector style terminators allow one to attenuate an optical signal easily by plugging an FC/PC terminated fiber directly into the attenuator. The front of the attenuator is a male FC/PC connector, allowing the attenuators to be plugged directly into FC receptacles or adapters. These single mode attenuators use polarization-insensitive, doped fiber to achieve the specified attenuation.

Features

- Operating Wavelength: 1240-1620nm
- Return Loss: >55dB
- Max. Power Capability: 1W
- Operating Temperature: -40 to 75°C
- PDL: <0.1dB

**High-Sensitivity
Optical
Power
Meter**

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Fiber Connector Optical Attenuators

ITEM#	\$	£	€	RMB	DESCRIPTION
FA05T	\$ 20.30	£ 12.80	€ 18,90	¥ 193.90	Fixed Optical Attenuator, 5dB (31.6%T)
FA10T	\$ 20.30	£ 12.80	€ 18,90	¥ 193.90	Fixed Optical Attenuator, 10dB (10% T)
FA15T	\$ 20.30	£ 12.80	€ 18,90	¥ 193.90	Fixed Optical Attenuator, 15dB (3.2% T)
FA25T	\$ 20.30	£ 12.80	€ 18,90	¥ 193.90	Fixed Optical Attenuator, 25dB (0.35% T)

Optical Attenuators: Inline

Inline optical isolators are ideal for balancing signal strengths in fiber circuits and for attenuating an optical signal to test the dynamic range of a measurement system. These inline isolators include SMF-28 fiber with a loose 900µm jacket, and they are offered with and without FC/PC connectors. These isolators are available with FC/APC connectors; please contact your local Thorlabs office for a quotation.



Specifications

- Operating Wavelength: 1310nm ± 40nm and 1550 ± 40nm
- Attenuation: 3dB ± 0.3dB Typical
5dB ± 0.3dB Typical
10dB ± 0.5dB Typical
20dB ± 0.5dB Typical
- Back Reflection: <-50dB
- Operating Temperature: -40 to 85°C
- Storage Temperature: -55 to 85°C

Features

- Low Insertion Loss
- Low Return Loss
- Compact Design
- Environmentally Stable

Applications

- Fiber Optic Sensors
- Instrumentation Testing
- Telecommunications

Inline Fiber Optic Attenuators

ITEM#	\$	£	€	RMB	CONNECTORS	DESCRIPTION	%T
FOA03	\$ 75.00	£ 47.30	€ 69,80	¥ 716.30	None	Fiber Optic Inline Attenuator, 3dB	50%
FOA03-FC	\$ 91.90	£ 57.90	€ 85,50	¥ 877.60	FC/PC	Fiber Optic Inline Attenuator, 3dB	50%
FOA05	\$ 75.00	£ 47.30	€ 69,80	¥ 716.30	None	Fiber Optic Inline Attenuator, 5dB	31.6%
FOA05-FC	\$ 91.90	£ 57.90	€ 85,50	¥ 877.60	FC/PC	Fiber Optic Inline Attenuator, 5dB	31.6%
FOA10	\$ 75.00	£ 47.30	€ 69,80	¥ 716.30	None	Fiber Optic Inline Attenuator, 10dB	10%
FOA10-FC	\$ 91.90	£ 57.90	€ 85,50	¥ 877.60	FC/PC	Fiber Optic Inline Attenuator, 10dB	10%
FOA20	\$ 75.00	£ 47.30	€ 69,80	¥ 716.30	None	Fiber Optic Inline Attenuator, 20dB	1%
FOA20-FC	\$ 91.90	£ 57.90	€ 85,50	¥ 877.60	FC/PC	Fiber Optic Inline Attenuator, 20dB	1%