

Fixed Attenuators

Benefits:

- Very cost-effective
- Excellent stability and repeatability
- Environmentally stable
- Polarization insensitive

Ideal Applications:

- Telecommunications systems
- CATV & LAN systems
- Test and data equipment
- Passive Optical Networks
- Test Areas/Labs



Description:

M2 fixed, plug-in attenuators are offered with a complete range of attenuation values in 1dB increments (1 - 20 dB standard; 21 to 30 dB optional). These products are doped fiber, low ripple, and environmentally stable for excellent performance. Both multimode and single mode are available with attenuation at the specified wavelengths above. In addition to our standard line of fixed products, variable attenuators are available and can be provided on request.

At M2, our goal is 100% customer satisfaction and we will work closely with your team to meet your requirements. If you have a question or would like pricing, we welcome you to contact your local sales representative to discuss the opportunity.

Specifications:

Type	Male/Female / Build Out Type			
Attenuator Values	1- 20 dB Standard; 20-30 dB optional			
Attenuator Tolerance	≤5 dB: ±0.4, 6-14 dB: +7.5%, ≥15 dB: ±1.5 dB			
Return Loss (dB)	SPC	UPC	APC	LC/MU
	≥ 50	≥ 55	≥ 60	≥55
Wavelength	1310 nm / 1550 nm			
Vibration Resistance (dB)	< 0.2			
PDL (dB)	< 0.2			
Repeatability (dB)	< 0.2 (1000 cycles)			
Operating Temperature	-40 °C ~ +75 °C			

(See reverse side for types available and ordering information)

www.m2optics.com

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Fixed Attenuators

Ordering Information

Model	Connector	Ferrule Polish	Optical Fiber	Wavelength	Attenuator Value
□	□	□	□	□	□□
ATF: Fixed, build out, male/female	F: FC S: SC T: ST L: LC M: MU	P: PC U: UPC A: APC	S: Single Mode M: Multi Mode (62.5/125um) 5: Multi Mode (50/125um)	D: 1310/1550nm	03: 3 dB 05: 5 dB 07: 7 dB 10: 10 dB 15: 15 dB 20: 20 dB xx: xx dB

Other M2 Products

Passive Optical Components

Fixed/Variable Attenuators
Fiber Patch Cords and Pigtails
Couplers and Splitters



Active Test Equipment

Optical Receiver & OMI instruments
Optical Power Meters
Fiber Identifier



Field Simulation / Fiber Lab Series



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