AC Photonics

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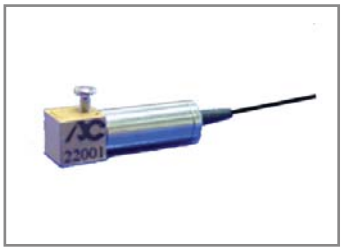
Manually Tuned Variable Optical Attenuator



Key Features

- Ultra Small Size
- Wide Wavelength Range
- Singlemode, PM and Multimode Fiber Versions
- High Attenuation Range
- High Resolution
- Designed to meel Telcordia Standar
- Low Cost

Applications

- Power Equalization and Control in Multi-Channel Optical Amplified networks
- Channel ON/OFF Switch
- CATV
- LAN
- Receiver Protection
- Optical Sensors

Performance Specifications

Parameter	Specifications
Available Wavelength	Optimized at 633nm, 780nm, 830nm, 1310nm, 1550nm and 1625nm*
Insertion Loss	≤ 1.0**dB
PDL	≤ 0.1dB
Temperature Dependent Loss (Typ.)	0.3dB
Return Loss	≥ 50dB for singlemode and PM; ≥ 30dB for multimode
Attenuation Range	≥ 60dB***
Attenuation Resolution (Typ.)	0.1dB
Optical Power	≤ 1W
Operating Temperature	-20 to +70°C
Storage Temperature	-40 to +85°C
Fiber Type	Singlemode, PM or 50/62.5um multimode
Polarization Extinction Ratio (PM only)	≥ 20dB

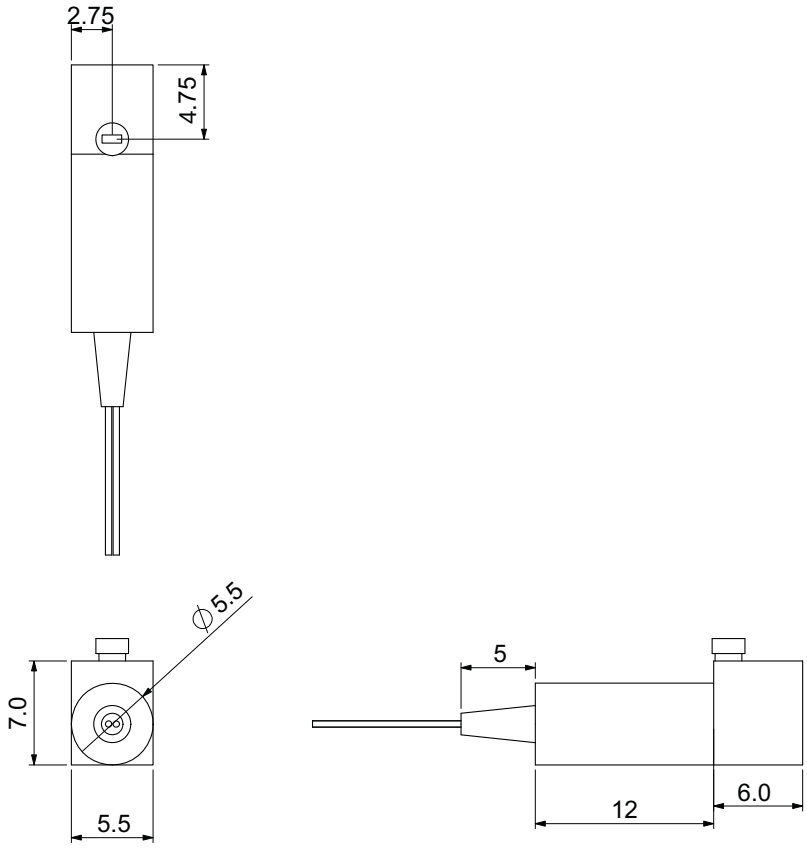
Note:

* Other wavelength also available upon request.

** 1.0 dB maximum applies to 1310 and 1550nm windows only. Higher insertion loss of up to 1.5dB may apply to 400-1200nm.

*** 80 dB is possible by special design.

Mechanical Dimensions



Ordering Information

MVOA	□□	□□	□□	□	□	□□
	Option	**Operating Wavelength**	**Range**	**Pigtail Style**	**Fiber Length**	**In/Out Connector**
	SM = Singlemode M5 = 50/125 Multimode M6 = 62.5/125 Multimode PM = PM Fiber	13 = 1310 ± 50nm 15 = 1550 ± 50nm 35 = 1310/1550nm 83 = 830 ± 30nm 78 = 780 ± 30nm 63 = 630 ± 10nm	40 = 40dB 60 = 60dB 80 = 80dB	1 = Bare Fiber 2 = 900um Jacket	1 = 1.0m 2 = 2.0m	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC