

Multimode In-Line Manual Variable Optical Attenuator



Description

The Multimode In-Line Manual Variable Optical Attenuator (VOA) is designed for precise and stable attenuation control in multimode fiber optical systems. Supporting both 850nm and 1310nm wavelengths, this device enables flexible optical power adjustment for testing, system balancing, and signal optimization in high-speed data communication networks.

Built with high-quality components and optimized optical design, this VOA offers low insertion loss, wide attenuation range, and excellent stability, making it ideal for laboratory use, network deployment, and equipment calibration.

Features

- Wide Wavelength Operating Range
- Compact Size
- High Stability
- High Reliability

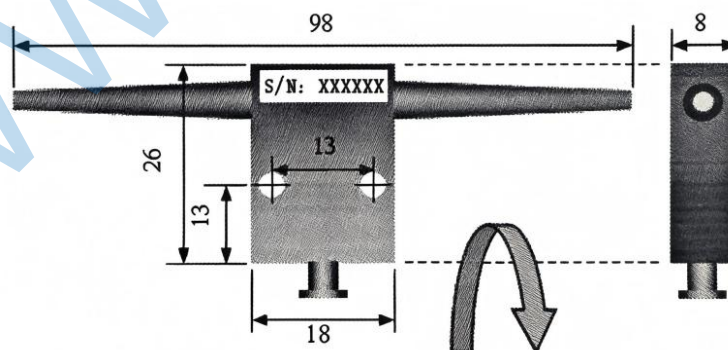
Applications

- Fiber Laser
- Fiber Optic Amplifier
- Fiber Optic Sensing
- Fiber Optic Communication

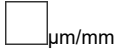
Specifications

Parameter	Unit	Value	
Center Wavelength	nm	850	1310
Operating Wavelength Range	nm	± 40	
Insertion Loss	dB	≤ 0.8	
Attenuation Range	dB	0.8 - 60	
Polarization Dependent Loss	dB	≤ 0.1	
Return Loss	dB	≥ 30	
Max Optical Power (CW)	mW	500	
Fiber Type	-	OM1/OM2/OM3/OM4	
Tensile Load (Max.)	N	5	
Package Dimensions	mm	26 x 18 x 8	
Operating Temperature	$^{\circ}\text{C}$	0 to +70	
Storage Temperature	$^{\circ}\text{C}$	-40 to +85	

Product Dimensions



Ordering Information

					
Center Wavelength	Max Optical Power (CW)	Fiber Type	Pigtail Length	Pigtail Diameter	Connector
850nm	500mW	OM1 62.5/125μm	0.5m	250μm Bare Fiber	None
1310nm		OM2 50/125μm	1.0m	900μm Loose Tube	LC/UPC
		OM3 50/125μm	1.5m	2.0mm	LC/APC
		OM4 50/125μm	2.0m	3.0mm	SC/UPC
					SC/APC
					FC/UPC
					FC/APC
					ST/UPC
					ST/APC