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

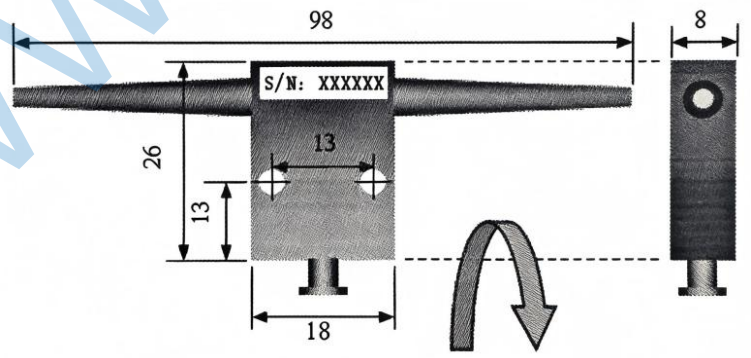
Applications

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 (Max.)	dB	0.8	
Attenuation Range	dB	0.8 - 60	
Polarization Dependent Loss	dB	≤0.1	
Return Loss (Min.)	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	°C	0 to +70	
Storage Temperature	°C	-40 to +85	

Product Dimensions



Ordering Information

☐nm	☐mW	☐	☐m	☐μm/mm	☐
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