

Fiber-Fiber™ Manual Fiber Optical Variable Attenuator

(Patent pending)



DATASHEET

BUY NOW

The Fiber-Fiber™ series Manual VOA is based on fiber to fiber coupling with a micro self align technology, featuring ultra-low loss, broadband, high power, compact size, and low cost. It can accommodate to all type of fibers.



Features

- Low Insertion Loss
- High Reliability
- Low Cost
- Low power consumption
- Super compact

Specifications

Parameter	Min	Typical	Max	Unit
Wavelength	180 ^[1]		2000	nm
Band Width	Broad band without coating			
Insertion Loss ^[1]		0.1	0.4	dB
Attenuation Resolution	Continuous			dB
Attenuation Range		60	70	dB
Return Loss		50	60 ^[2]	dB
Power Handling		500	1000	mW
Operating Temperature	-40 ~ 70			°C
Storage Temperature	-40 ~ 85			°C

Notes:

[1]. Measure with CPR<14 laser source and excluding connectors

[2]. Single Mode, For Multimode, return loss relates to laser condition

Applications

- Dynamic gain equalization
- Variable MUX/DeMUX
- Instrumentation

Legal notices: All product information is believed to be accurate and is subject to change without notice. Information contained herein shall legally bind Agiltron only if it is specifically incorporated into the terms and conditions of a sales agreement. Some specific combinations of options may not be available. The user assumes all risks and liability whatsoever in connection with the use of a product or its application.

Rev 11/08/23

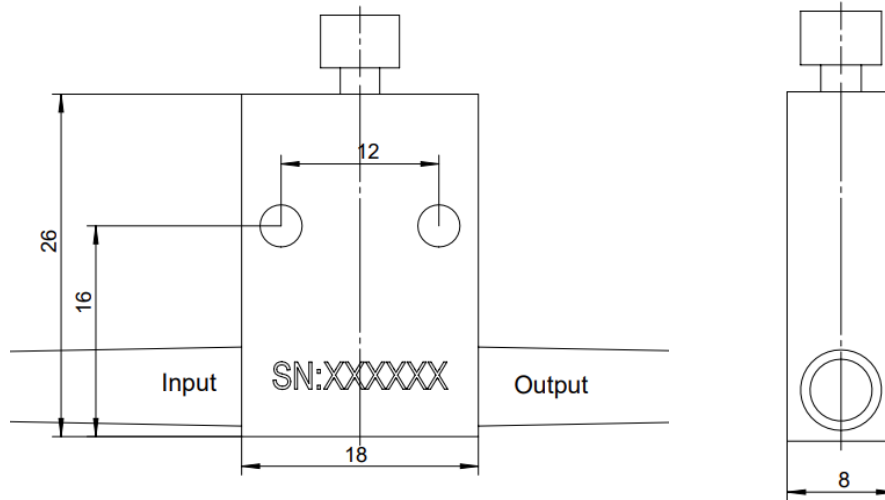
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Mechanical Dimensions-Package



*Product dimensions may change without notice. This is sometimes required for non-standard specifications.

Electrical Control Interface

The shutter is powered by a 5VDC through side plug or the underneath pins. A wall pluggable power supplier is shipped with the product. Please find it inside the package

The shutter is controlled by a 0-5 input signal though the underneath pins, or USB, or RS232

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Ordering Information

Prefix	Configuration	Type	Test Wavelength*	Fiber Type	Fiber Cover	Fiber Length	Connector
MVOA-	Special = 00	Transparent = 1	350 = A 488 = 4 532 = 5 630 = 6 780 = 7 850 = 8 980 = 9 1060 = 1 1310 = 3 1550 = C 2000 = 2 Special = 0	Select from the table below	900um tube = 3 3mm tube = 4 Special = 0	0.25m = 1 0.5m = 2 1.0m = 3 Special = 0	None = 1 FC/PC = 2 FC/APC = 3 SC/PC = 4 SC/APC = 5 ST/PC = 6 LC/PC = 7 LC/UPC = U Special = 0

*Without adjustment, this device is transparent to the passing light in the normal state.

**The device is ultra-broadband limited by the fiber transmission. However, we only test at one selected wavelength to save cost. If customer needs to test at several wavelengths, the selection is special =0 with added cost.

NOTE:

“transparent” means no attenuation without applying a controlling voltage, the “opaque” means the highest attenuation without applying a controlling voltage.

Fiber Type Selection Table:

01	SMF-28	34	PM1550	71	GIF 50/125 μm
02	SMF-28e	35	PM1950	72	GIF 62.5 μm
03	Corning XB	36	PM1310	73	105/125 μm
04	SM450	37	PM400	74	FG105LCA
05	SM1950	38	PM480	75	FG50LGA
06	SM600	39	PM630	76	FG10LDA
07	Hi780	40	PM850		
08	SM800	41	PM980		
09	Hi980	42	PM780		
10	Hi1060	43	PM350		
11		44	PM405		
12	SM400	45	PM460		