

Manual Fiber Optical Variable Attenuator - Fiber-Fiber™

(Patent pending)

Product Description

The **Fiber-Fiber™** series Manal 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.



Performance Specifications

Fiber-Fiber™ series VOA	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

Features

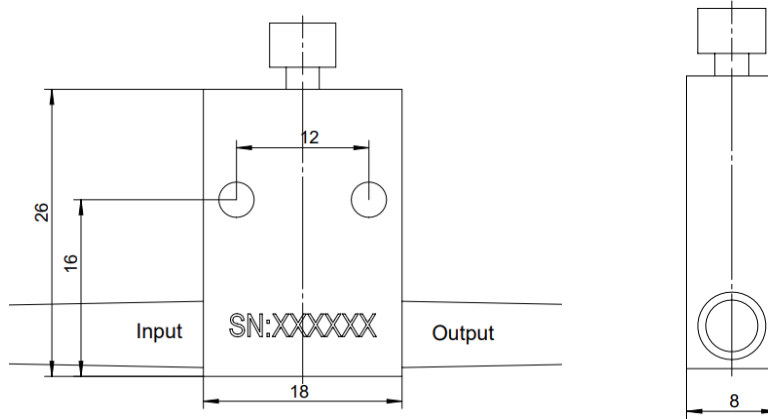
- Low Insertion Loss
- High Reliability
- Low Cost
- Low power consumption
- Super compact

Applications

- Dynamic gain equalization
- Variable MUX/DeMUX
- Instrumentation

MEMS VOA Fiber-Fiber™

Mechanical Dimensions-Package



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

Ordering Information

MVOA-	3 3	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Configuration	Type*	Test Wavelength**	Fiber type		Fiber Length	Connector
	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	Pick from below table	Bare fiber=1 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=7 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.

Fiber Type Selection Table:

01	SMF-28	34	PM1550	71	GIF 50/125μm
02	SMF-28e	35	PM1950	72	GIF 62.5 μm
03	Corning XB	36	PM1310	73	106/125μm
04	SM450	37	PM400	74	FG105LCA
05	SM2000	38	PM480	75	FG50LGA
06	SM600	39	PM630	76	STP 50/125
07	Hi780	40	PM850		
08	SM800	41	PM980		
09	Hi980	42	PM780		
10	Hi1060	43	PM350		
11		44	PM405		
12					