

Mini Manual Variable Attenuator at 1310, 1480, or 1550 nm

Model #: MVOA

Description: Mini Manual Variable Attenuator at 1310, 1480, or 1550 nm

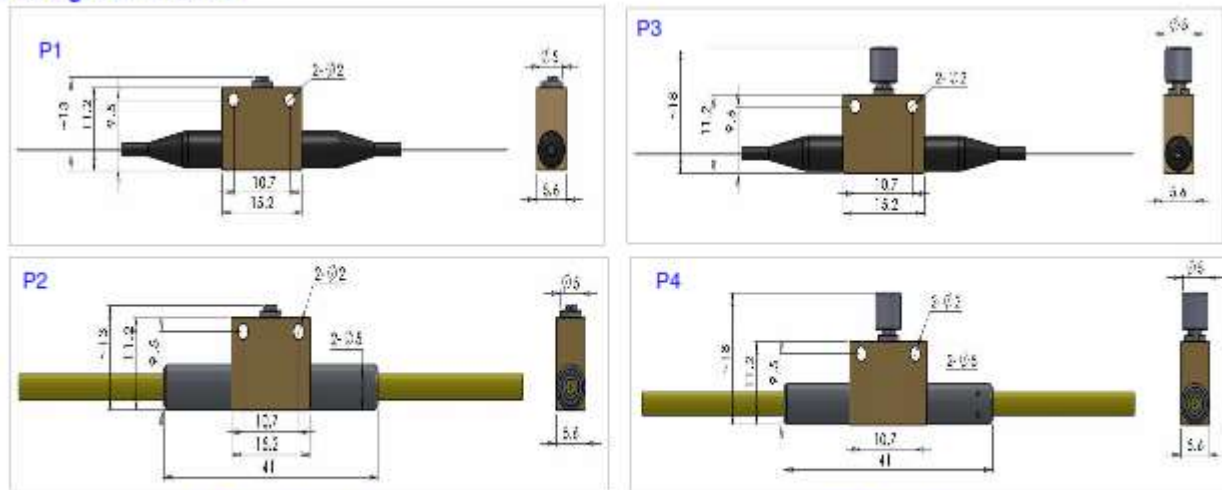
Application: Optical test and measurement instrument

Specifications:

Parameter	Unit	Specifications
Central Wavelength	nm	1310, 1480, 1550 or 1310 & 1550 nm
Max. Access Loss	dB	0.6
Max.WDL (23°C, minimum attenuation)	dB	0.3
Min. Attenuation Range	dB	30
Resolution within 10 dB Attenuation Range	dB	0.1
Min. Polarization Extinction Ratio (PM only)	dB	20
Max. PDL (SM fiber only, 23°C, minimum attenuation)	dB	0.05
Max. TDL (λ_c , attenuation ≤ 30 dB)	dB	0.01
Min. Return Loss (input / output)	SM or PM fiber	55
	MM fiber	25
Max. Optical Power (CW))	mW	300
Max. Tensile Load	N	5
Operating Temperature	°C	0 to +70
Storage Temperature	°C	-40 to + 85

Note: each connector may contribute extra 0.3 dB IL, 5 dB lower RL, 2 dB lower polarization extinction ratio.

Package Dimensions

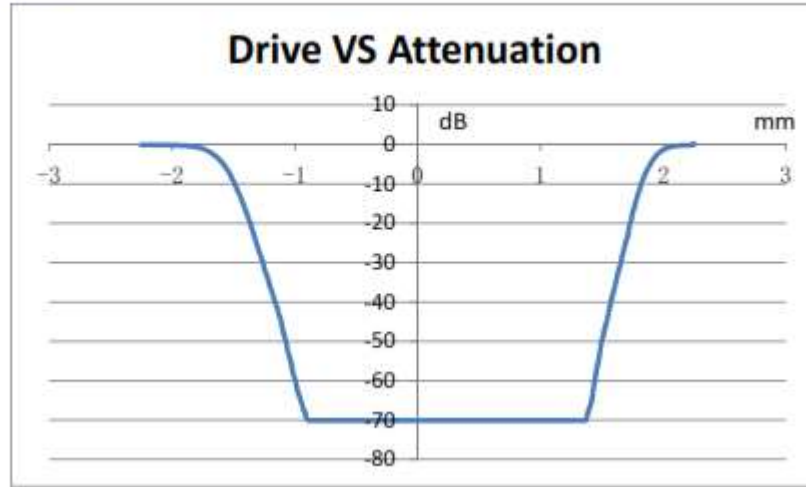


Screwdriver type

Manual type

tolerance: x— ± 1 mm, x.x— ± 0.1 mm

* Note: Package type P1&P3 is designed for 250um or 900um fiber jacket and Package type P2&P4 is designed for 2mm or 3mm fiber jacket.

Attenuation Curve

Ordering Information: MVOA-AAAA-B-C-D-E-F

AAAA: central wavelength	B: fiber type	C: connector type	D: connector type	E: length	G: package type
1310 – 1260 ~ 1360 nm	F – SMF-28 fiber	1 - FC/UPC	B - 250µm Panda fiber	Q – 0.75 m	P1 – tune with screwdriver
1480 – 1450 ~ 1510 nm	P3 – PM 1310 fiber	2 - FC/APC	L - 900 µm loss tube	1 – 1.0 m	P2 – tune with screwdriver
1550 – 1510 ~ 1560 nm	P5 – PM 1550 fiber	3 - SC/UPC	2 – 2 mm cable		P3 – tune with knob
3155 – 1260 ~ 1360 & 1510 ~ 1610 nm	M1 – 105/125 N.A. 0.22	4 - SC/APC	3 – 3 mm cable		P4 – tune with knob
XX - Other	M5 – 50/125	N - none			
	M6 – 62.5/125	X - other			
	X - other				