

Mini Type Manual Variable Attenuator (MVOA Series)

Rev 11

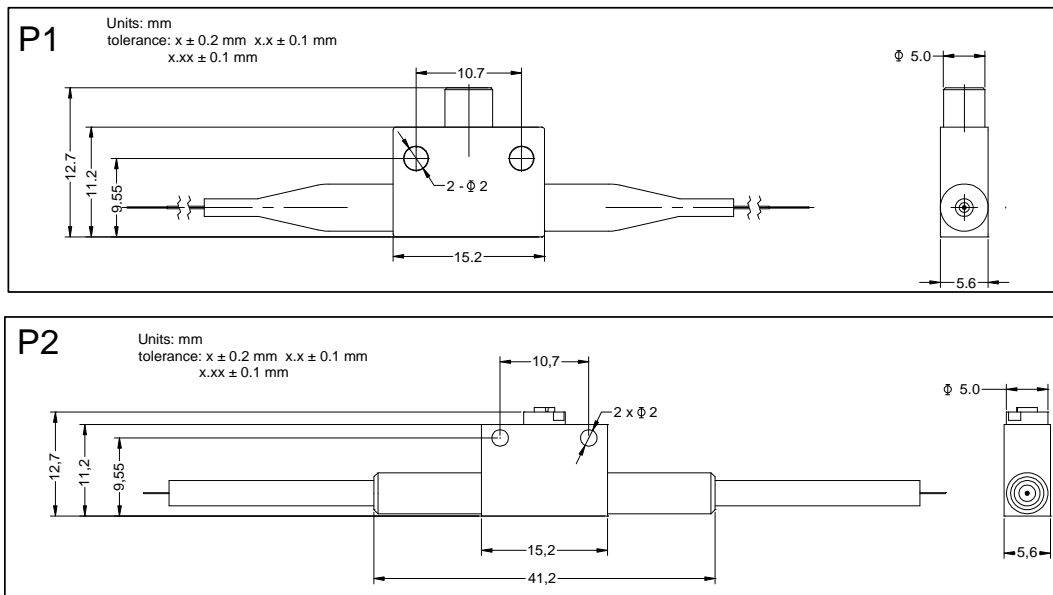
Mini Type Manual Variable Attenuator (MVOA) operates by manually moving a shading element into optical beam. The shading element can be integrating adjusted to get any attenuation value in a range. MVOA features low insertion loss, good resolution, high stability and good reliability. It can be applied for pre-emphasis attenuation, transmitter power control, in-line power equalization, and amplifier power control, etc.

Specifications

Parameter	Unit	Value		
Operating Wavelength Range	nm	A: 1290 - 1630	B: 1060 ± 20	C: 980 ± 20
Max. Insertion Loss	dB	0.6		
Min. Return Loss (for SM or PM fiber)	dB	55		
Min. Return Loss (for MM fiber)	dB	25		
Attenuation Range	dB	0.6 - 30		
Resolution	dB	0.1		
Typ. Extinction Ratio (for PM fiber type)	dB	23		
Min. Extinction Ratio (for PM fiber type)	dB	20		
Max. PDL (for SM fiber type), 23 °C, minimum attenuation	dB	0.05		
Typ. TDL at attenuation range	dB/°C	0.005		
Max. TDL at attenuation range	dB/°C	0.01		
Max. WDL, 23°C, minimum attenuation	dB	0.3		
Max. Optical Power (Continuous Wave)	mW	300		
Operating Temperature	°C	0 to +70		
Storage Temperature	°C	-40 to +85		

*IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added.

Package Dimensions



Tolerance: X ± 1 mm; X.X ± 0.1 mm
x.x—±0.1mm

* Note: Package type one (P1) is designed for 250 μm or 900 μm fiber jacket and Package type two (P2) is designed for 2 mm or 3 mm fiber jacket.

Ordering Information

MVOA-①-②-③-④-⑤

①: Wavelength	②: Fiber Type	③: Connector Type	④: Fiber Jacket	⑤: Fiber Length
A - 1290 - 1630 nm	F - SMF-28 fiber	1 - FC/UPC	B - 250 μm bare fiber	1 - 1.0 m
B - 1060 ± 20 nm	H - HI 1060 fiber	2 - FC/APC	L - 900 μm loose tube	S - Specify
C - 980 ± 20 nm	M - Multimode fiber	3 - SC/UPC	C - 3 mm cable	
S - Specify	P - Panda fiber	4 - SC/APC	2 - 2 mm cable	
	S - Specify	N - None		