

PS Class Micro Variable Optical Delay Line Single Mode 1064nm



● Product Description

Mini Variable Optical Delay Line

● Part Number

MVDL-06-NN-BB-B-0.8

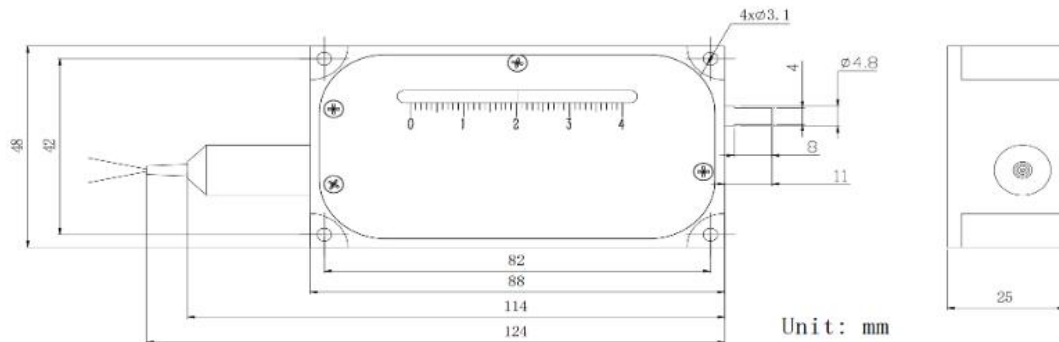
● Product features

Low insertion loss (0.7dB) 、 High extinction ratio (20dB) 、 Excellent environmental stability

● Application area

Optical fiber device、 Medical treatment、 Optical Coherence Tomography System (OCT system)

Dimensional Drawing



Axis Alignment for PM Fiber: Both Axis Working

Parameters

Specifications

Parameters		Unit	Values	
Center Wavelength		nm	630, 850	1064, 1310 or 1550
Operating Wavelength Range		nm	±40	
Optical Delay Range		ps	0 ~ 265	
Readout Scale Resolution		mm	0.5*2	
Max. Insertion Loss @ λ_c		dB	1.5	1.2
Max. Insertion Loss Variation		dB	0.7	0.4
Min. Extinction Ratio (Only for PM Fiber)		dB	18	20
Max. PDL (Only for SM Fiber)		dB	0.15	0.1
Min. Return Loss		dB	50	
Max. Optical Power (CW)		mW	300	
Fiber Type	MVDL	-	SM Fiber	
	MPMVDL	-	PM Panda Fiber	
Operating Temperature		°C	0 to +40 (No Condensing)	
Storage Temperature		°C	0 to +85 (No Condensing)	

*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher (0.5dB higher for 630~1064nm), ER will be 2dB lower, and RL will be 5dB lower.

*The PM fiber and the connector key are aligned to the slow axis.

*The material must be RoHS compliant.

PN#

MVDL-①①-②②-③③-④-⑤

MPMVDL-①①-②②-③③-④-⑤

①	②	④: Fiber Type	⑤: Fiber Length
①: Center Wavelength	②: Connector Type		
h	e		
63 - 630nm	1A- FC/UPC	B - HI 780 Fiber	0.8 - 0.8m
85 - 850nm	2A - FC/APC	F - SMF-28e Fiber	S - Specify
106 - 1064nm	3D - SC/UPC	H - HI 1060 Fiber	
1310 - 1310nm	4D - SC/APC	W - Nufern 630-HP Fiber	
1550 - 1550nm	N - None	2A - PM1550 Fiber	
SS - Specify	S - Specify	3A - PM1310 Fiber	
		4A - PM980 Fiber	
	③		
	③: Fiber Jacket Type	7C - PM630 Fiber	
	e	SS - Specify	
	B - Bare Fiber		
	C - 900um Loose tube (Red)		
	F - 900um Loose tube (White)		
	S - Specify		