

PS Class Micro Variable Optical Delay Line

Single Mode 1064nm



- **Product Description**

Mini Variable Optical Delay Line

- **Product features**

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

● Part Number

MP-TDC-M-1064-265ps-SN

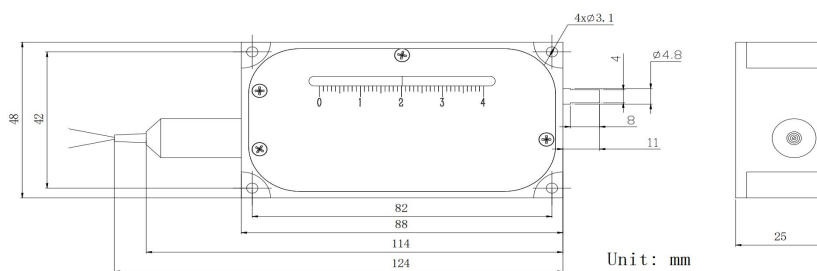
● Application area

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

● Core parameters

Center Wavelength	Optical Delay Range
1064nm	0-265ps

● Dimension Drawing



Axis Alignment for PM Fiber: Both Axis Working

● General 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 630~1064 nm), 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#

MP-TDC-①①-②②-③③-④-⑤

①			⑤: Fiber Length
①: Center Wavelength	②②: Connector Type	④: Fiber Type	
63 - 630nm	1A- FC/UPC	B - HI 780 Fiber	0.8 - 0.8m
85 - 850m	2A - FC/APC	F - SMF-28e Fiber	S - Specify
06 - 1064nm	3D - SC/UPC	H - HI 1060 Fiber	
31 - 1310m	4D - SC/APC	W - Nufern 630-HP Fiber	
55 - 1550nm	N - None	2A - PM1550 Fiber	
SS - Specify	S - Specify	3A - PM1310 Fiber	
		4A - PM980 Fiber	
	③③: Fiber Jacket Type	7C - PM630 Fiber	
	B - Bare Fiber	SS - Specify	
	C - 900um Losse tube (Red)		
	F - 900um Losse tube (White)		
	S - Specify		