

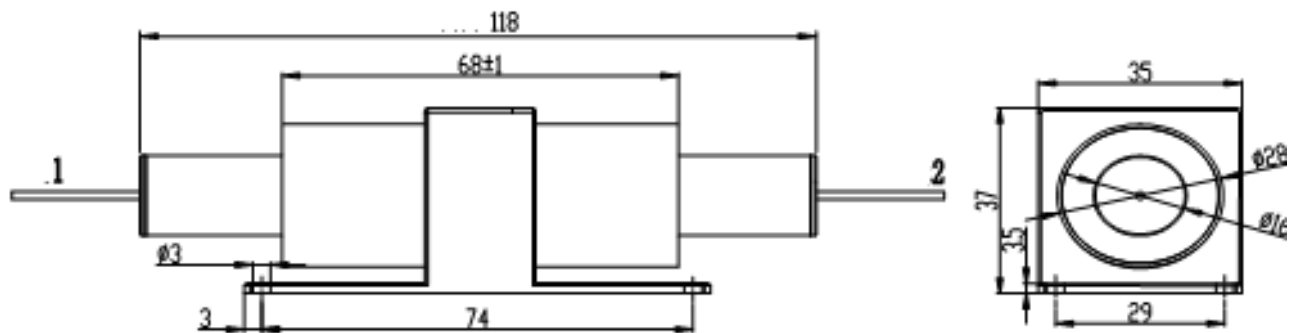
PMOI-1050-SS	
Polarization Maintaining Optical Isolator (Single stage)	
	Features: • High isolation • Low insertion loss • Fast axis blocked
	Applications: • Light-sources isolation
	Specification DATE: 16th March 2017

SPECIFICATION				
Parameter	Min	Typ	Max	Unit
Stage		Single		
Center Wavelength		1064		nm
Peak Isolation	35	50		dB
Insertion Loss		2	3	dB
Return Loss (Input/Output)	55/50			dB
Extinction Ratio	18	23		dB
Optical Power (CW)			1	W
Max. Tensile Load			5	N
Operating Temperature	-5		50	°C
Storage Temperature	-40		85	°C

TYPICAL PERFORMANCE (for reference only)		FIBER SPECIFICATION	
@ 25°		Parameters	Unit
Isolation and Loss 		Mode-field diameter	6.6±1.0 μm
		Cut-off wavelength	920±50 nm
		Cladding diameter	125±1 μm
		Coating diameter	245±15 μm
		Core-to-cladding offset	≤0.5 μm
		Length (each port)	1.0 ± 0.2 m
		Connector	FC/APC
		Connector alignment to Panda fiber:	

DIMENSIONS (subject to change)

(All sizes in mm)



PART NUMBER IDENTIFICATION

PMOI-1050-SS-①①-②②

①Connector Type on Port 1 & 2: 1 - FC/APC, N - none

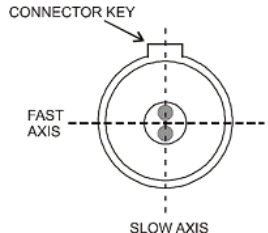
②Fiber Jacket on Port 1 & 2: B - 250um Panda Fiber, L - 900um Loose Tube Panda Fiber

Example: PMOI-1050-SS-N1-BB

NOTE: Innolume product specifications are subject to change without notice.

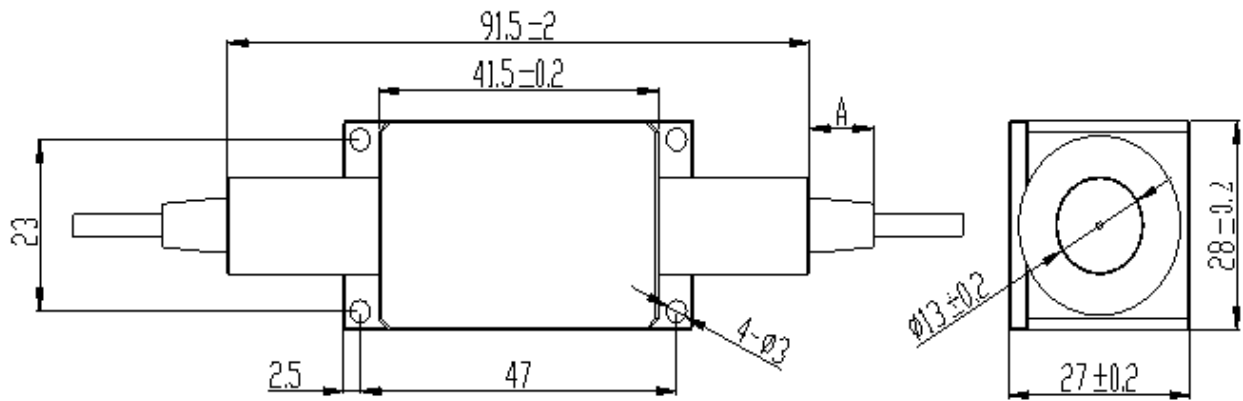
PMOI-780-SS		
Polarization Maintaining Optical Isolator (Single-stage)		
	Features: • High isolation • Low insertion loss • Fast axis blocked	
	Applications: • Light-sources isolation	
	Specification	DATE: 27 th July 2016

SPECIFICATION				
Parameter	Min	Typ	Max	Unit
Stage		Single		
Center Wavelength		780		nm
Peak Isolation	25	35		dB
Insertion Loss		0.5	1.3	dB
Return Loss (Input/Output)	45/45	50/50		dB
Extinction Ratio	20			dB
Optical Power (CW)			500	mW
Max. Tensile Load			5	N
Operating Temperature	-5		50	°C
Storage Temperature	-40		75	°C

TYPICAL PERFORMANCE (for reference only) @ 25°	FIBER SPECIFICATION		
	Parameters	PANDA PM850	Unit
	Mode-field diameter	5.5±0.5	µm
	Cut-off wavelength	650-800	nm
	Cladding diameter	125±1	µm
	Coating diameter	245±15	µm
	Core-to-cladding offset	≤0.5	µm
	Length (each port)	1.0 ± 0.2	m
	Connector	FC/APC	
 Connector alignment to Panda fiber:			

DIMENSIONS (subject to change)

(All sizes in mm)



PART NUMBER IDENTIFICATION

PMOI-780-SS-①①-②②

① Connector Type on Port 1 & 2: 1 - FC/APC, N - none

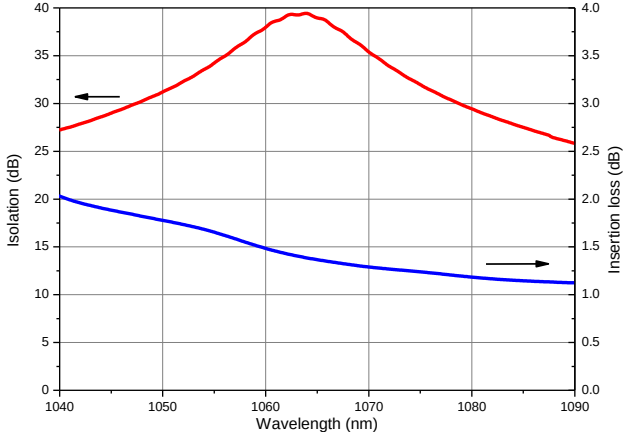
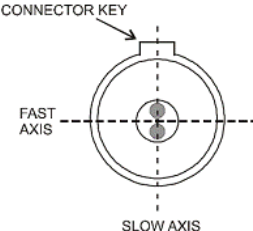
② Fiber Jacket on Port 1 & 2: B - 250um Panda Fiber, L - 900um Loose Tube Panda Fiber

Example: PMOI-780-SS-N1-BB

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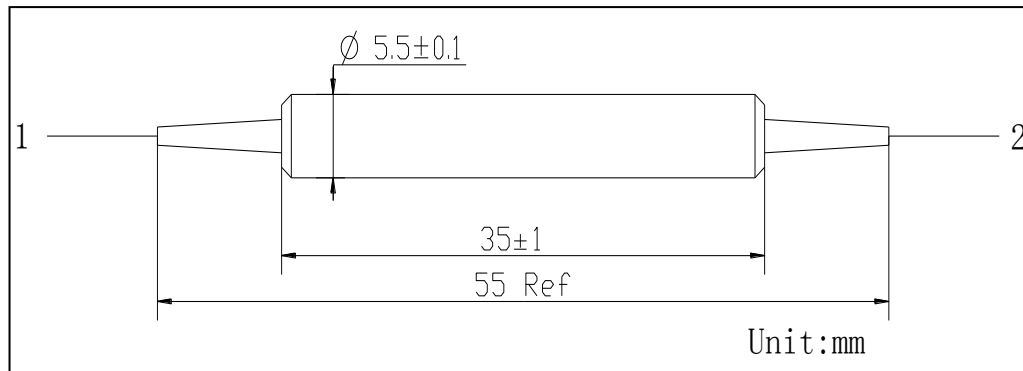
PMOI-1064-SS	
Polarization Maintaining Optical Isolator (Single Stage)	
	Features: • High isolation • Low insertion loss • Fast axis blocked
	Applications: • Light-sources isolation
	Specification DATE: 13th July 2016

SPECIFICATION				
Parameter	Min	Typ	Max	Unit
Stage		Single		
Center Wavelength		1064		nm
Peak Isolation	35	40		dB
Insertion Loss		1.5	1.8	dB
Return Loss (Input/Output)	55/50			dB
Extinction Ratio	23			dB
Optical Power (CW)			300	mW
Max. Tensile Load			5	N
Operating Temperature	-5		50	°C
Storage Temperature	-40		85	°C

TYPICAL PERFORMANCE (for reference only)	FIBER SPECIFICATION		
@ 25°	Parameters	PANDA PM980	Unit
<u>Isolation and Loss</u> 	Mode-field diameter	6.6±1.0	µm
	Cut-off wavelength	920±50	nm
	Cladding diameter	125±1	µm
	Coating diameter	245±15	µm
	Core-to-cladding offset	≤0.5	µm
	Length (each port)	1.0 ± 0.2	m
	Connector	FC/APC	
			
Connector alignment to Panda fiber:			

DIMENSIONS (subject to change)

(All sizes in mm)



PART NUMBER IDENTIFICATION

PMOI-1064-SS-①①-②②

① Connector Type on Port 1 & 2: 1 - FC/APC, N - none

② Fiber Jacket on Port 1 & 2: B - 250um Panda Fiber, L - 900um Loose Tube Panda Fiber

Example: PMOI-1064-SS-N1-BB

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