

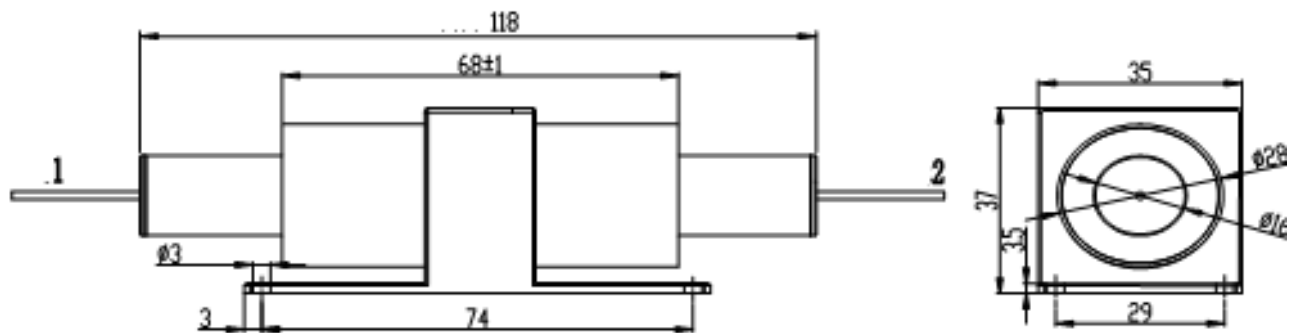
PMOI-1050-SS	
Polarization Maintaining Optical Isolator (Single stage)	
	<p><b>Features:</b></p> <ul style="list-style-type: none"> <li>• High isolation</li> <li>• Low insertion loss</li> <li>• Fast axis blocked</li> </ul>
	<p><b>Applications:</b></p> <ul style="list-style-type: none"> <li>• Light-sources isolation</li> </ul>
<b>Specification</b>	DATE: 16 <sup>th</sup> 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		
<p><b>@ 25°</b></p> <p style="text-align: center;"><u>Isolation and Loss</u></p>	Parameters	PANDA PM980	Unit
	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**

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-1050-SS-N1-BB

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