



## Polarization Sensitive Isolator (PSI Series)

Spec Review No.: SR21778

### Specifications

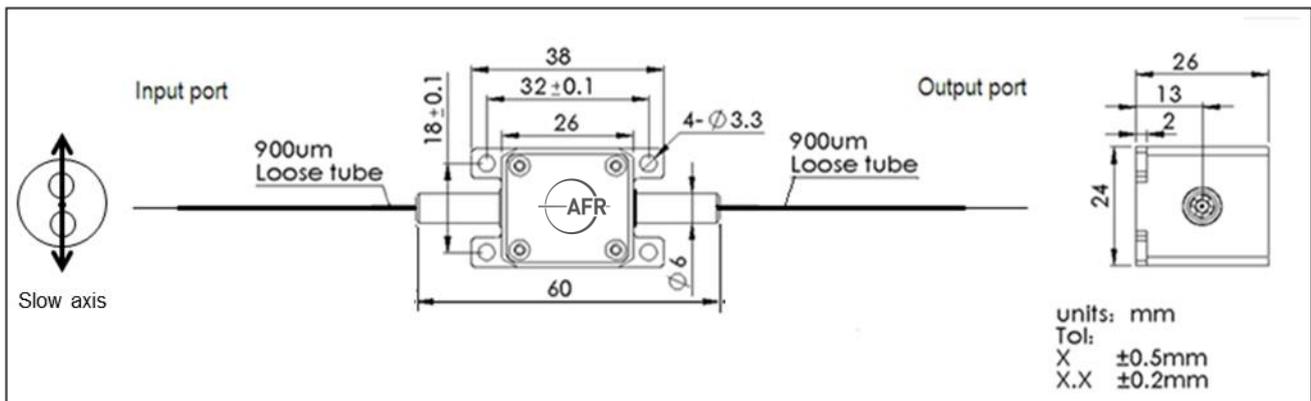
Parameter	Unit	Value	
Operating Wavelength ( $\lambda_c$ )	nm	638	
Typ. Insertion Loss, 25 - 45 °C <sup>1</sup>	dB	1.5	
Max. Insertion Loss, 25 - 45 °C <sup>1</sup>	dB	1.7	
Min. Extinction Ratio (Difference between fast axis and slow axis)	dB	20	
Min. Isolation, $\lambda_c$ , 40°C, all polarization states <sup>2</sup>	dB	30	
Min. Isolation, $\lambda_c$ , 25°C, all polarization states	dB	23	
Max. Optical Power (CW)	mW	10	
Fiber Type	Input Port	-	PM 630 HP
	Output Port	-	SM 630 HP
Operating Temperature	°C	+ 25 to + 45	

<sup>1</sup>IL is 1.5 dB higher, RL is 5 dB lower and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

<sup>2</sup>Isolation is optimized at 40 °C.

<sup>3</sup>Fiber pigtail without AR Coating.

### Package Dimensions



<sup>1</sup>Beam with polarization aligned to the Slow axis of the input PM fiber can go through the Isolator.

### Ordering Information

PSI-①①①-②-③-④-⑤

①①①: Wavelength	②: Connector Type	③: Fiber Jacket	④: Fiber Length for Input port
638 - 638 nm	1 - FC/UPC	B - 250 $\mu$ m Bare Tube	1 - 1.0 m
	2 - FC/APC	L - 900 $\mu$ m Loose Tube	S - Specify
	N - None		
	S - Specify		

⑤: Fiber Length for Output port

1 - 1.0 m

S - Specify