

Polarization Sensitive Isolator (PSI Series)

Spec Review No.: SR21778

Specifications

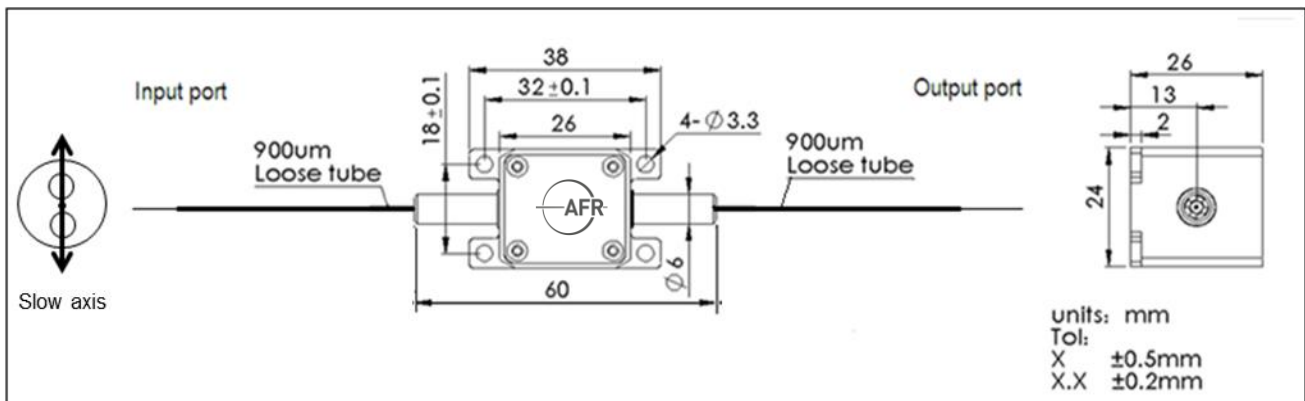
Parameter	Unit	Value
Operating Wavelength (λ_c)	nm	638
Typ. Insertion Loss, 25 - 45 °C ¹	dB	1.5
Max. Insertion Loss, 25 - 45 °C ¹	dB	1.7
Min. Extinction Ratio (Difference between fast axis and slow axis)	dB	20
Min. Isolation, λ_c , 40°C, all polarization states ²	dB	30
Min. Isolation, λ_c , 25°C, all 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

¹IL 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.

²Isolation is optimized at 40 °C.

³Fiber pigtail without AR Coating.

Package Dimensions



¹Beam 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 µm Bare Tube	1 - 1.0 m
	2 - FC/APC	L - 900 µm Loose Tube	S - Specify
	N - None		
	S - Specify		

⑤: Fiber Length for Output port

1 - 1.0 m

S - Specify