



Polarization Sensitive Isolator (PSI Series)

Specifications

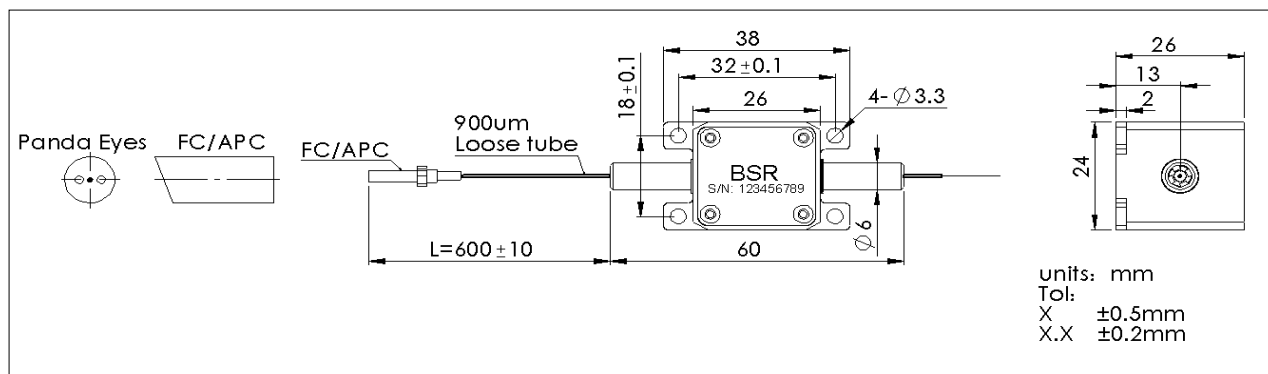
Parameter	Unit	Value
Operating Wavelength (λ_{op})	nm	638
Typ. Insertion Loss, 25-45°C *	dB	1.3
Max. Insertion Loss, 25-45°C *	dB	1.5
Min. Isolation, λ_c , 40°C, all polarization states **	dB	30
Min. Isolation, λ_c , 25°C, all polarization states	dB	23
Fiber Type	Input Port	PM 630 HP
	Output Port	SM 630 HP
Fiber Length***	Input Port	60 $\pm$ 1
	Output Port	80 $\pm$ 20
Operating Temperature	°C	25 to 45

*IL is 0.25 dB higher for one connector added.

**Isolation is optimized at 40°C.

***Measured from the end face of the fiber protection sleeve to the end of fiber.

Package Dimensions And Labeling Requirement



Letters "BSR" and serial number will be engraved on the isolator body.

BSR PN: PSFI 638BSR01-02-05

AFR provide the electronic test data sheet **including Isolation and Insertion Loss** at 25, 40deg C when shipping.

Ordering Information

PSI-①①①-②-③-④-⑤

①①①: Wavelength

638 - 638 nm

②: Connector Type for Input

S - FC/APC ferrule

N - None

③: Connector Type for Output

N - None

④: Fiber Jacket

B - 250 μ m loose tube

L - 900 μ m loose tube

⑤: Fiber Length

1 - 1.0 m

Q - 0.75 m

S - Input Fiber 60 $\pm$ 1 cm, and Output Fiber 80 $\pm$ 20 cm