



Polarization Sensitive Isolator (GK-PSI Series)

● 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	-	PM 630 HP
Input Port	-	SM 630 HP
Output Por	°C	+ 25 to + 45

● Operating Temperature

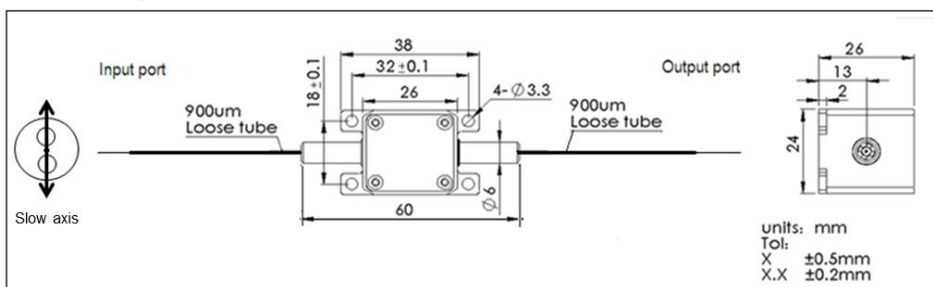
¹IL is 1.5 dB higher, RL is 5 dB lower and ER is 2 dB lower for each connector added.

Connector key is aligned to slow axis.

²solation 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**

GK-PSI-①-②-③-④-⑤

①: **Wavelength**

638 - 638 nm

②: **Connector Type**

1 - FC/UPC

2 - FC/APC

N - None

S - Specify

③: **Fiber Jacket**

B - 250 μ m Bare Tube

L - 900 μ m Loose Tube

④: **Fiber Length for Input port**

1 - 1.0 m

S - Specify

⑤: **Fiber Length for Output port**

1 - 1.0 m

S - Specify