

## Free Space Isolator (FSI Series)

### Description

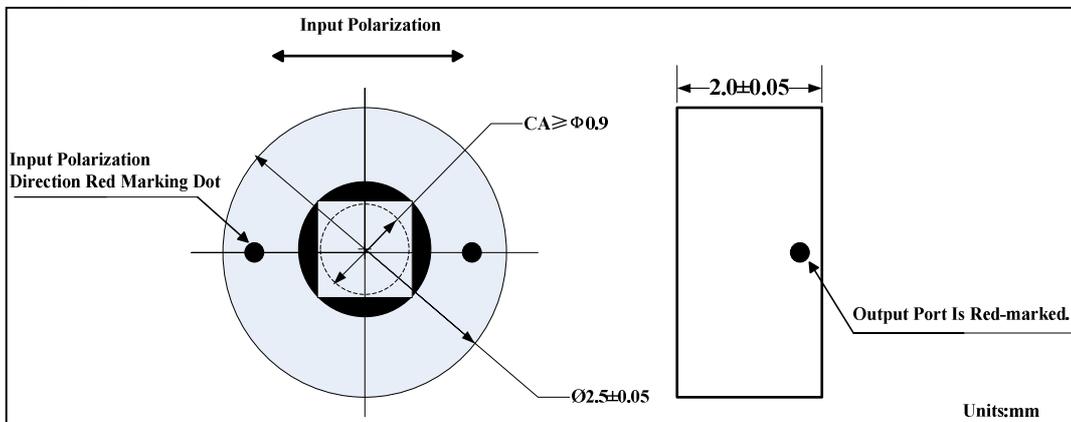
Rev 11C

The Free Space Isolator is designed for integration within laser diode package to prevent back reflection. The high isolation, low insertion loss and large aperture features make it flexible to fit with different diode laser packaging requirements.

### Specifications

Parameter	Unit	Single Stage	Dual Stage
Center Wavelength ( $\lambda_c$ )	nm	1310, 1550	
Typ. Insertion Loss	dB	0.10	0.20
Max. Insertion Loss	dB	0.20	0.30
Peak Isolation	dB	42	55
Min. Isolation, $\lambda_c \pm 15$ nm, 23 °C	dB	30	40
Clear Aperture	mm	0.9	
Max. Optical Power (Continuous Wave)	mW	300	
Polarization Plane of Input	-	as indicated	
Tilt Angle of Input Polarization	degree	0 or specified	
Operating Temperature	°C	0 to + 60	
Storage Temperature	°C	- 40 to + 85	

### Package Dimensions



### Ordering Information

#### FSI-①-②②-③

①: Stage

1 - Single Stage

2 - Dual Stage

②: Wavelength

31 - 1310 nm

48 - 1480 nm

55 - 1550 nm

SS - Specify

③: Package Size

1 -  $\Phi 2.5$  mm

S - Specify