

Free Space Isolator (FSI Series)

Rev 11C

Description

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 the optical isolator flexible to fit with different diode laser packaging requirements.

Key Features

- High Isolation
- Low Insertion Loss

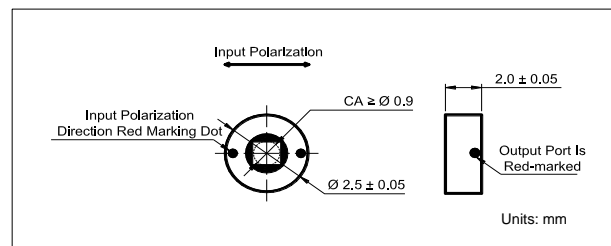
Applications

- Laser Chip

Specifications

Parameter	Unit	Value	
		Single Stage	Dual Stage
Stage	-	Single Stage	Dual Stage
Center Wavelength (λ_c)	nm	1310 or 1550	
Typ. Insertion Loss	dB	0.1	0.2
Max. Insertion Loss	dB	0.2	0.3
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	-	Indicated in package diagram	
Tilt Angle of Input Polarization	degree	0 or specify	
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

②②: Wavelength

31 - 1310 nm

48 - 1480 nm

55 - 1550 nm

SS - Specify

③: Package Size

1 - \varnothing 2.5 mm

S - Specify