

# Free Space Isolator

## Features

High Isolation  
 Low Insertion Loss  
 Large Aperture Features

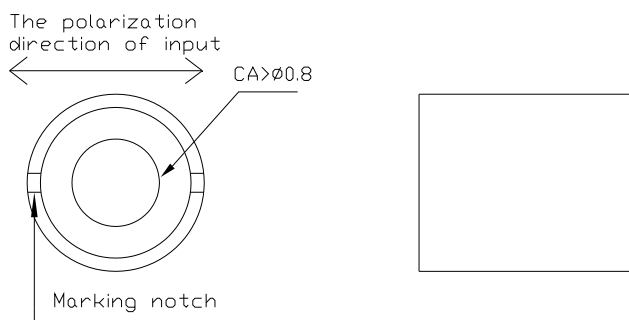
## Applications

Fiber Optic Lasers  
 Optical Transmitters & Transceivers  
 Research

## Specifications

Parameter	Unit	Values	
		Single Stage	Dual Stage
Center Wavelength	nm	1310 or 1550	
Operating Wavelength Range	nm	±20	
Typ. Peak Isolation	dB	42	55
Min. Isolation at 23°C	dB	24	44
Typ. Insertion Loss	dB	0.2	0.3
Max. Insertion Loss	dB	0.3	0.4
Clear Aperture	mm	0.8 or Specify	
Polarization Plane of Input		As Indicated	
Tilt Angle of Input Polarization	deg	8 or Specify	
Max. Optical Power (CW)	mW	500	
Max. Tensile Load	N	5	
Operating Temperature	°C	0 to +60	
Storage Temperature	°C	-40 to +85	

## Package Dimensions



Single Stage:  $\varnothing 2.5 \times L1.4$   
 Dual Stage:  $\varnothing 2.5 \times L2.1$

## Ordering Information

**FSI-①①-②-③**

①①: Wavelength

31 - 1310nm

55 - 1550nm

SS - Specify

③: Package Size

1 - dia2.5xL1.4mm

2 - dia2.5xL2.1mm

S - Specify

②: Stage

S - Single Stage

D - Dual Stage