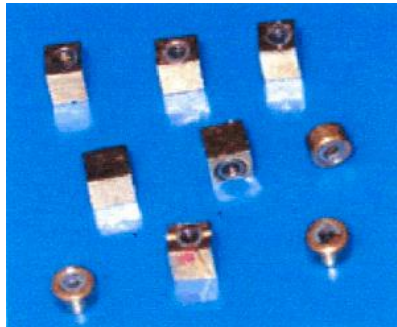


**BUY NOW** 

# Free Space 1310nm/1550nm Optical Isolator

## Product Description

The FSOI Series Free Space 1310nm/1550nm optical Isolator is a passive device that guides lights at 1310/1550 nm in normal direction while minimizing back reflection and back scattering in the reverse direction. With Agiltron's proprietary magnetic-optics technology and proven advanced Micro optics design, it features in low insertion loss, high isolation, compact structure, high power handling and high stability. Agiltron also provides customized design to meet special applications.



## Features

- Low Insertion Loss
- High Isolation
- Compact Size
- High Reliability
- Versatile Package

## Performance Specifications

FSOI Free Space Isolator (P Grade)	Specification		Unit
	Single	Dual	
Central Wavelength ( $\lambda_c$ )	1310		nm
	1550		
Maximum Insertion Loss ( $\lambda_c$ , 23°C)	≤ 0.25	≤ 0.35	dB
Minimum Peak Isolation ( $\lambda_c$ , 23°C)	≥ 38	≥ 55	dB
Clear Aperture	∅0.8		mm
Operating Temperature	-20 ~ +85		°C
Storage Temperature	-40 ~ +85		°C
Optical Power Handling	≤ 50		W/cm <sup>2</sup>
* Other wavelength is available per customer's request			

## Applications

- Optical Transmitter
- Laser Diode
- Instrumentation

# Free Space 1310nm/1550nm Optical Isolator

## Ordering Information

<b>FSOI-</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<b>00</b>	<b>0</b>	<b>0</b>
	<b>Type</b>	<b>Wavelength</b>	<b>Grade</b>	<b>Package</b>	<b>Fiber</b>	<b>Fiber Length</b>	<b>Connector</b>
	10=Single stage 20=Dual stage	3=1310 5=1550 0=Special	P=Premium A=Grade A 0=Special	1=2.5x1.1 2=2.5x1.4 3=3.0x1.4 4=2.5x3.0 ( SS 304 Ring)  5=3.0x3.0 6=3.0x2.5 (SS or MR Ring)  0=Special  (unit: mm)	00=Free space	0=Free space	0=Free Space

\*Product dimensions may change without notice. This is sometimes required for non-standard specifications.