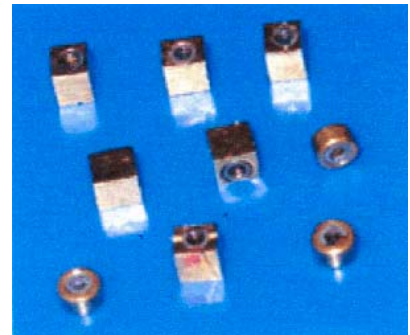


# Free Space 1310/1550 Dual Stage Optical Isolator

## Product Description

The FSOI Series Free Space 131/1550nm 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 Dual Stage	Specification		Unit
	P Grade	A Grade	
Central Wavelength ( $\lambda_c$ )	1310		nm
	1550		
Maximum Insertion Loss ( $\lambda_c \pm 20\text{nm}$ , 23°C)	≤ 0.3	≤ 0.5	dB
Minimum Peak Isolation ( $\lambda_c$ , 23°C)	≥ 55	≥ 50	dB
Clear Aperture	Ø0.9		dB
Operating Temperature	-5 ~ +65		°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 1310/1550 Dual Stage Optical Isolator

## Ordering Information

FSOI-	20	□	□	□	00	0	0
	Type	Wavelength	Grade	Package Type	Fiber Type	Fiber Length	Connector Type
	20=Dual stage	3=1310 5=1550 0=Special	P=Premium A=Grade A 0=Special	1=2.5x1.4x1.8 2=2.5x2.5x1.9 3=2.5x2.5x2.0 4=2.5x2.5x2.6 5=2.5x2.5x3.0 6=Ø2.5x3.0 7=Ø2.99x3.0 8=Ø2.5x2.0 9=Ø2.5x1.8 A=Ø2.5x2.6 B=Ø2.5x3.0 0=Special (Unit:mm)	00=Free space	0=Free space	0=Free Space

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