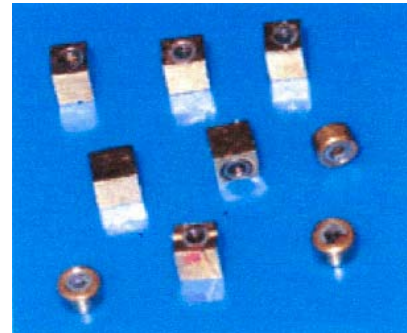


Free Space 1310/1550 Single Stage Optical Isolator

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 Single Stage	Specification		Unit
	P Grade	A Grade	
Central Wavelength (λ_c)	1310		nm
	1550		
Maximum Insertion Loss ($\lambda_c \pm 20\text{nm}$, 23°C)	≤ 0.3	≤ 0.5	dB
Minimum Peak Isolation (λ_c , 23°C)	≥ 55	≥ 50	dB
Clear Aperture	∅0.9		dB
Operating Temperature	-5 ~ +65		°C
Storage Temperature	-40 ~ +85		°C
Optical Power Handling	≤ 50		W/cm ²
* Other wavelength is available per customer's request			

Applications

- Optical Transmitter
- Laser Diode
- Instrumentation

Free Space 1310/1550 Single Stage Optical Isolator

Ordering Information

FSOI-	20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	00	0	0
	Type	Wavelength	Grade	Package	Fiber	Fiber Length	Connector
	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

15 Presidential Way, Woburn, MA 01801 Tel: (781) 935-1200 Fax: (781) 935-2040

www.agiltron.com