

# Free Space 785/980/1060 nm Optical Isolator

(patent pending)

## Product Description

The OI Series Free Space 785/980/1060 nm optical Isolator is a passive device that guides lights at 785/980/1060 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
- High Stability
- High Reliability
- Cost Effective

## Performance Specifications

OI Series		Min	Typical	Max	Unit
Operation Wavelength	785	780		790	nm
	980	975		985	
	1060	1055		1065	
Insertion Loss			0.5	0.8	dB
Wavelength Dependent Loss				0.2	dB
Isolation		20	25		dB
Optical Aperture		Φ 2.0			mm
Storage Temperature		-10		60	°C
Package Dimension	785	Φ28 x 43.2		mm	
	980	Φ28 x 53.0			
	1060	Φ28 x 61.0			

## Order Information

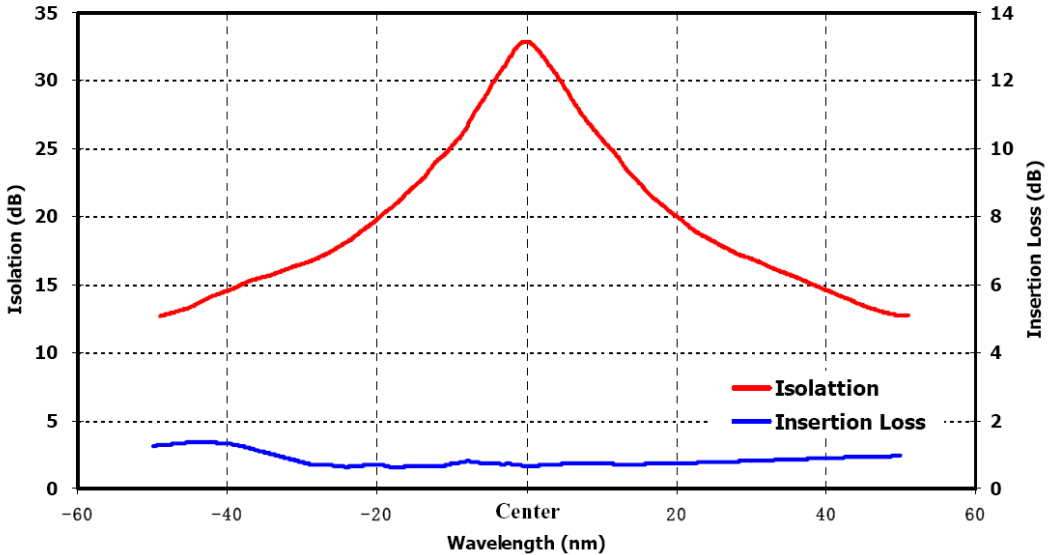
OISF-	Type	Wavelength	Grade	Package Type				
<input type="checkbox"/> <input type="checkbox"/>	Free Space =21 Special = 0	1060=1 850 =8 980=9 Special=0	Standard = 1 Special = 0	Standard = 1 Special = 0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## Applications

- Optic Sensor
- Test and Measurement
- Instrumentation

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## Optical Performance



IL/Iso Vs. Temp @ Center Wavelength

