

# Free Space Optical Isolator (780 nm)

## Product Description

The OI Series Free Space 780nm optical Isolator is a passive device that guides lights at 780 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.



## Performance Specifications

OI Series	Min	Typical	Max	Unit
Operation Wavelength	760	780	800	nm
Transmission	82%			
Wavelength Dependent Loss			0.2	dB
Isolation	30	35		dB
Optical Aperture	$\Phi$ 2.7			mm
Power Handling			0.7	W
Storage Temperature	-10		60	°C
Package Dimension	$\Phi$ 28 x 43.2			mm

## Features

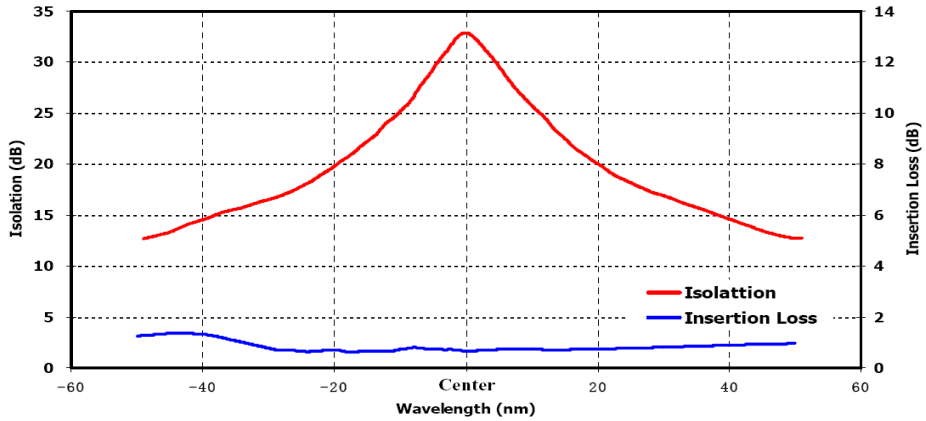
- Low Insertion Loss
- High Isolation
- High Stability
- High Reliability
- Cost Effective

## Applications

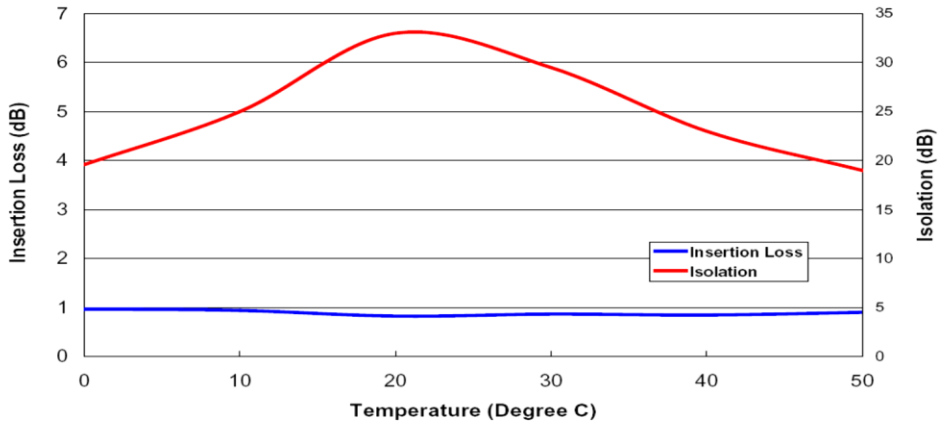
- Optic Sensor
- Test and Measurement
- Instrumentation

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## Optical Performance



IL/Iso Vs. Temp @ Center Wavelength



## Order Information

OISF-	2 1	7	1	1	0	0	0	0
	Type	Wavelength	Grade	Package Type				
	Free Space =21 Special = 0	780 =7 Special=0	Standard = 1 Special = 0	Standard = 1 Special = 0				