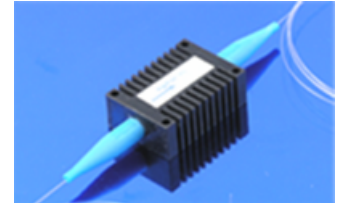


1310/1550 HS High Power (5w) Optical Isolator

Product Description

The OIHS Series optical Isolator is a passive device that passes light in the normal direction while blocks light in the reverse direction for any state of polarization. Employing Agiltron’s advanced all glass micro optics design, it features ultra-low insertion loss, high power handling (up to 5W CW), high isolation, ultra-mini structure, and high stability. The device is RoHS compliant and Telcordia qualified, an ideal choice for applications in fiber amplifiers, pump lasers and optical fiber sensors.



Features

- Low Insertion Loss
- High Power Handling
- Compact
- High Reliability
- Low Cost
- RoHS Compliant
- Low Cost

Performance Specifications

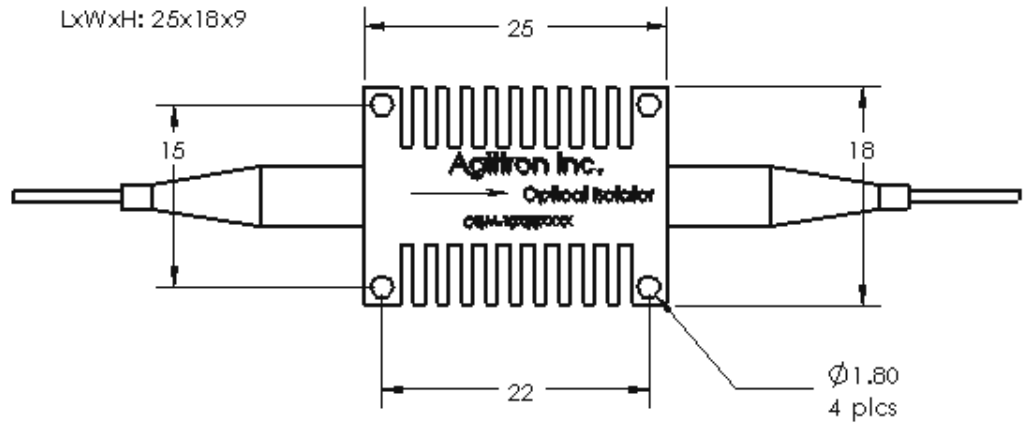
OIHS Isolator		Single Stage	Dual Stage	Unit
Operation Wavelength (λ_o)	1310	1310 \pm 15		nm
	1550	1550 \pm 15		
	L Band	1585 \pm 15		
Typical Insertion Loss (λ_c , 23°C, no connector)		\leq 0.3	\leq 0.45	dB
Max Insertion Loss (Over λ_o , 23°C, no connector)		\leq 0.50	\leq 0.50	dB
Min Isolation (Over λ_o , 23°C)		\geq 30	\geq 45	dB
Typical Peak Isolation (λ_c , 23°C)		\geq 41	\geq 55	dB
Polarization Dependant Loss		\leq 0.1	\leq 0.1	dB
Polarization Mode Dispersion		\leq 0.2	\leq 0.05	ps
Return Loss (Minimum, Input/Output)		\geq 60	\geq 55	dB
Operating Temperature		-5 ~ +70		°C
Storage Temperature		-40 ~ +85		°C
Optical Power Handling		\leq 5		W
Package Dimensions		25L x 18W x 9H		mm

Applications

- Optical Fiber Amplifier
- Pump Laser Source
- Fiber Optic Sensor
- Instrumentation

1310/1550 HS High Power Single Mode Optical Isolator

Mechanical Dimensions: mm



Ordering Information

OIHS-	Type	Wavelength	Grade	Package	Fiber Type	Fiber Length	Connector
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 5 3 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	10=Single stage 20=Dual stage	3=1310 5=1550 L=L Band 0=Special	5= 5W		SMF-28=1 Special=0	1=Bare Fiber 3=900µm Loose Tube 0=Special	1=None 2=FC/PC 3=FC/APC 4=SC/PC 5=SC/APC 6=ST/PC 7=LC 0=Special