

# High Power 2 $\mu\text{m}$ Fiber Optical isolator

## Product Description

This 2  $\mu\text{m}$  passive device transmits high power light from input fiber into output fiber while blocking the unwanted light from back reflection and scattering. Agiltron's proprietary magnetic-optics technology and advanced micro-optic technique enable industrial leading performance in power handling, low loss, reliability, and cost effective. Agiltron currently provides a full range of polarization-independent, polarization maintaining, and custom design versions with a broad wavelength coverage and various output beam diameters. We have experience to incorporate special fibers.

## Features

- High Power
- High Isolation
- High Reliability
- Low IL, PDL & TDL
- Cost Effective

## Performance Specifications

High Power Isolator	Single Stage	Dual Stage	Unit
Center Wavelength	1940, 2000, 2050, 2100		nm
Wavelength Bandwidth	$\pm 50$		nm
Insertion Loss <sup>a</sup>	$\leq 1.2$	$\leq 1.5$	dB
Isolation	$\geq 16$	$\geq 35$	dB
Polarization Dependent Loss	$\leq 0.15$	$\leq 0.2$	dB
Extinction ratio <sup>b</sup>	$\geq 18$		dB
Return Loss	$\geq 50$		dB
Power Handling	1, 2, 3, 5, 10		W
Fiber Type	SMF-28e, SM1950, SM2000, PM1550, PM1950, 10/130DCF		
Operating Temperature	0 ~ +65		$^{\circ}\text{C}$
Storage Temperature	-40 ~ +85		$^{\circ}\text{C}$
Dimensions	$\phi 5.5 \times 35, 80 \times 12 \times 10$		mm

a- Without connectors

b- PM fiber only

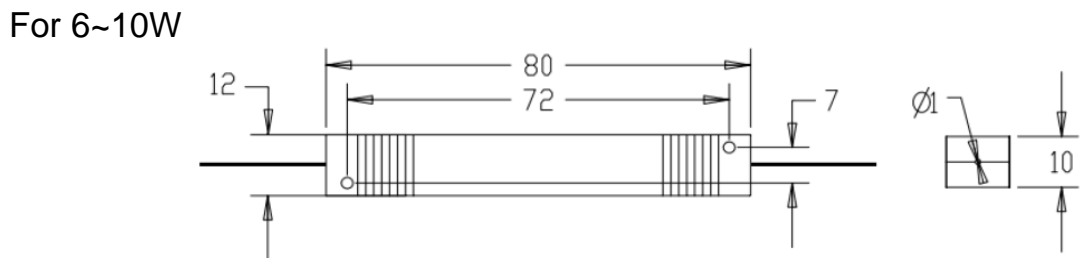
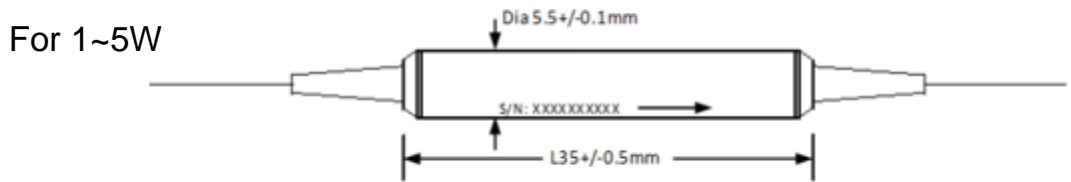
## Applications

- Laser Pump Source
- Optical Fiber Amplifier
- Laser Manufacturing
- laser Marking

# High Power Polarization Insensitive/Dependent Isolator-2000nm

## Compact size

### Mechanical Footprint Dimensions (mm)



\*Product dimensions may change without notice. This is sometimes required for non-standard specifications.

### Ordering Information

OI2H-	Type	Wavelength	Power Handling	Package	Fiber Type	Jacket Size	Fiber Length	Connector
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Regular=11 PM=12 Special=00	1940=1 2000=2 2050=3 Special=0	1W=1 2W=2 500mW=3 5W=5 10W=6 Special=0	tube=1 square=2 Special=0	SMF28=1 SM1950=9 PM1950=8 SM2000=2 PM2000=3 PM 1550=5 10/130DCF=7 Special=0	Bare fiber=1 900um tube=3 Armor cable=5 Special=0	0.25M=1 0.5M=2 1.0 M=3 Special=0	None=1 FC/PC=2 FC/APC=3 SC/PC=4 SC/APC=5 ST/PC=6 LC=7 Special=0