

# **High Power Fiber Collimator With** Isolator

(patents pending)

## **Product Description**

This passive device transmits high power light from input fiber into a collimated output light beam into free space while blocking the unwanted light from back reflection and scattering. Agiltron's proprietary magneticoptics 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 Handling
- High Isolation
- High Reliability
- Low IL, PDL & TDL
- Cost Effective

### **Performance Specifications**

FSOI High power Isolator	Min	Typical	Max	Unit
Operation Wavelength	1060/2000			nm
Insertion Loss [1]		0.6	0.8	dB
Isolation	22	25		dB
Polarization Dependent Loss		0.1	0.2	dB
Polarization Mode Dispersion		0.1	0.2	ps
Return Loss	40	50		dB
Optical Power Handling <sup>[2][4]</sup>			50	W
Beam Size [3]	0.4	1		mm
Fiber Type	See Order Information			
Storage temperature	-10 to 60			°C
Storage Humidity	5% to 95% (No Condensation)			
Package Dimension [5]	See design			
Note:				

[1] Measured without connectors

 Laser Manufacturing laser Marking

 Laser Pump Source Optical Fiber Amplifier

**Applications** 

[2]

Continuous operation. For pulse operation, please call us. [3] For beam size larger than 1 mm, please call us.

[4] Back Reflect < 10%. For >10% application, please call us.

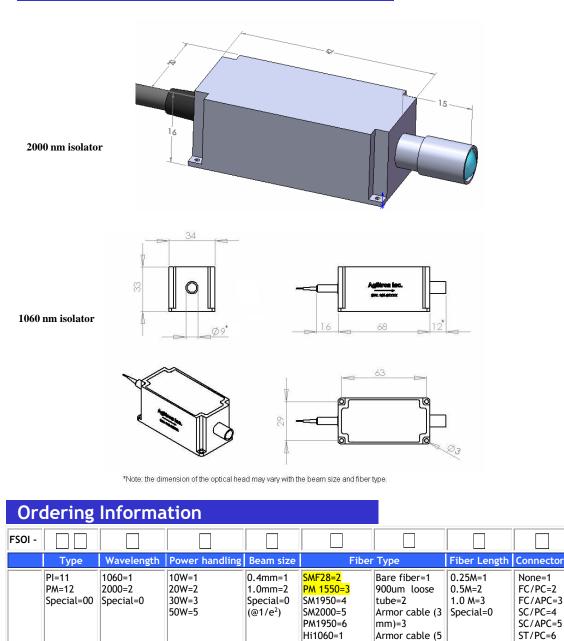
[5] For beam larger than 1mm, the package could be larger. Please call us



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PM980=9

Special=0

mm)=5

Special=0

LC=7

Special=0

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