

---

**FastPulse Technology, Inc.****LASERMETRICS® DIVISION****220 Midland Ave., Saddle Brook, NJ 07663****TEL: 973-478-5757 · FAX: 973-478-6115****Web Site: [www.fastpulse.com](http://www.fastpulse.com)**

---

**OPTICAL ISOLATORS****MICRO SERIES 2120****1064 nm & 1550 nm**

- Rugged, Stable Construction
- Stainless Steel Housing
- Gold Plated for Soldering
- Low Insertion Loss
- Wide Temperature Range
- Useful in Miniaturized Laser Systems



At 5.5 mm diameter and less than 5 mm length, FastPulse Technology's Series 2120 Micro Optical Isolators are among the smallest free space optical isolation devices available. These sturdy isolators are designed for the rough handling and conditions that might be encountered in commercial and industrial, as well as in research type laser and fiber-optic systems.

Isolation values typically exceed 35 dB at the center wavelength. Materials used have been selected for lowest absorption and scatter. Magnetic fields required in this region are modest, in the range of ~1 k Gauss. Custom Isolators are quoted and built to order. FastPulse Technology also offers competitive OEM isolator models for the 405 nm to 3400 nm region

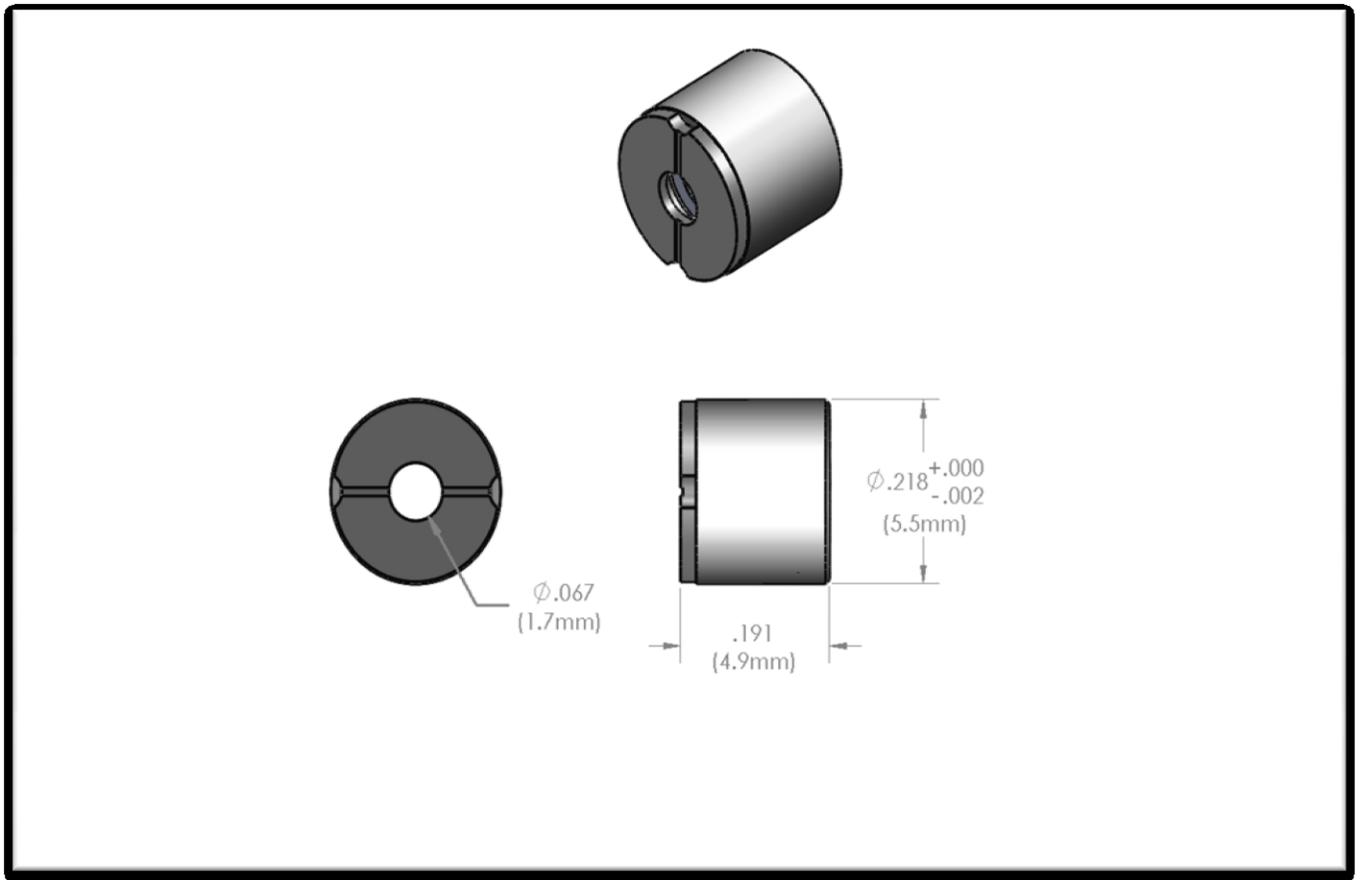
Wavelength	1064 nm	1550 nm
Part Number (2120 ISO-2 --- )	ISO-2-1064	ISO-2-1550
Clear Aperture	1.7 mm	1.7 mm
Bandwidth	1050 to 1090 nm	1500 to 1600 nm
Input Power, max.	100 mW*	500 mW
Isolation	35-42 dB	38-45 dB
Transmission	~78%	~95%
Polarizer Tilt Angle	3°	3°

Double stage isolators are available for Seed--Amplifier laser systems where the low power seed laser requires higher isolation protection from the amplifier.

Series 2120 models are designed to attach to Series 2135 Isolators.

Adaptors to other Isolator Series are available.

\*Up to 250 mW, performance degrades but isolator is not damaged



### SERIES 2120 – 5.5 mm OD MICRO ISOLATOR

#### APPLICATIONS

MICRO AND MINIATURE LASER MODULES  
FIBER COUPLED TRANSMITTER SYSTEMS  
COMMUNICATION LASERS  
TUNABLE LASERS  
SEED LASERS

Call FastPulse Technology Engineers to discuss your special requirements 1-800-449-3278