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Innovation Photonics ANNOUNCEMENT

8 μ m ISOLATORS now in production at InnPho



(<https://innpho.com/wp-content/uploads/2012/11/8-um-isolators.jpg?cs=tinysrgb&h=200&w=200&f=1>) Our 8 μ m Isolators are designed for use with quantum cascade lasers and are tunable from 7.7 μ m to 8.3 μ m and beyond.

It's the IR that makes IR isolators difficult. The critical component in any isolator is the magneto-optic material that performs the rotation of the plane of polarization in the magnetic field. Whereas in the VIS and NIR there are many candidate magneto-optic materials, in the infrared the choices are few. In our Mid-IR Isolators we utilize a very small family of highly specialized materials that demonstrate low absorption and high Verdet Constant at the wavelength of operation.

The other critical component is the polarizer, and again, there are few choices in the infrared. See www.innpho.com, POLARIZERS (pages 3, 4) for descriptions of our IR Polarizers.

Catalog Number: **FIO-5-8.0**

Aperture: **5 mm**

Center Wavelength: **8.0 μ m (7.7 μ m to 8.3 μ m)**

Transmittance: **> 90%**

Isolation: **>30 dB**

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Verona, NJ 07044

info@innpho.com (<mailto:info@innpho.com>)

www.innpho.com (<https://innpho.com>)

Product Request

Use this form to submit order information or a request for additional information for:
8 μm ISOLATORS

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Innovation Photonics

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