461nm Mini Single Stage Free-Space Optical Isolator

Mini Free-Space Optical Isolators

Stock #72-624 CLEARANCE 1 In Stock

- 1 +

S$3,325.00

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Qty 1+	S$3,325.00 each
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EO Spec Sheet

General

Type:	Single Stage Optical Isolator	**Style:**	Faraday

Physical & Mechanical Properties

Length (mm):	10.00	**Clear Aperture CA (mm):**	1.5
Diameter (mm):	9.20		

Optical Properties

Minimum Transmission (%):	>80	**Design Wavelength DWL (nm):**	461
Damage Threshold, By Design: ⓘ	4 kW/cm^2 @ DWL	**Minimum Isolation at Design Wavelength (dB):**	>35

Environmental & Durability Factors

Operating Temperature (°C):	+15 to +40		

Regulatory Compliance

Certificate of Conformance:	View		

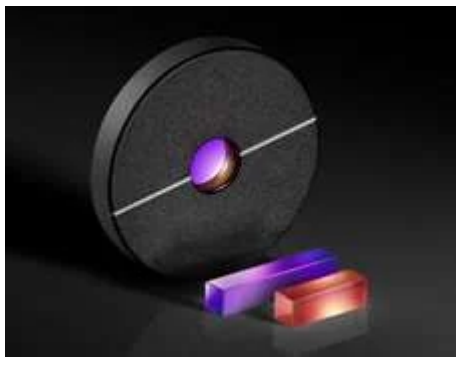
Product Details

- Small, <1cm^3, Form Factor
- Greater than 70% Minimum Transmission and >30dB Minimum Isolation
- Input Apertures as Low as 1.60mm

Mini Free-Space Optical Isolators are designed around a less than 1cm^3 form factor with an incorporated Faraday Rotator while maintaining a superior performance with high isolation, transmission, and power densities. These isolators effectively reduce feedback in the external cavity of diode laser systems and blocks reflections from free-space fiber coupling. Designed to be resistant to environmental temperature changes these isolators are capable of integration into systems with where fluctuating temperatures are a concern. Mini Free-Space Optical Isolators increase power stabilization in optical systems and also eliminate feedback-induced damage to sensitive optical components. These isolators are ideal for quantum technology applications such as quantum communication, simulation, cryptography, sensors, computing, and networks.

Related Products

C, S, and T-Mount Circular Optic Mounts



Crystals and Isolators

Free-Space Optical Isolators

Resources

Media Type

- [ ] Application Note

APPLICATION NOTE

Homogeneity and Scatter from Inclusions and Bubbles

APPLICATION NOTE

Thermal Properties of Optical Substrates

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