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1150nm Single Stage Free-Space Optical Isolator

Stock **#35-977** **3 In Stock**

- 1 + **S$4,130.00**

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General

Type:
Single Stage Optical Isolator

Style:
Faraday

Physical & Mechanical Properties

Clear Aperture CA (mm):
4.7

Optical Properties

Minimum Transmission (%):
>85

Transmission (%):
92

Design Wavelength DWL (nm):
1150

Wavelength Range (nm):
1100 - 1200

Damage Threshold, By Design:
10 W, 320 W/cm^2 @ DWL

Typical Isolation at Design Wavelength (dB):
43

Minimum Isolation at Design Wavelength (dB):
>35

Environmental & Durability Factors

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

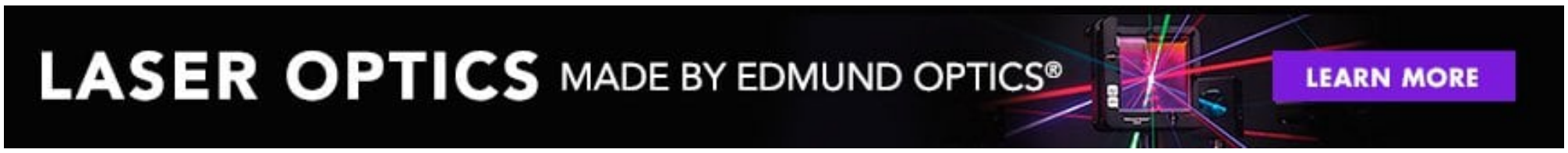
Regulatory Compliance

Certificate of Conformance:
View

Product Details

- Up to 67 dB Isolation for Ultimate Stability
- Up to 92% Transmission for Maximum Power
- 4.7mm Input Aperture

Free-Space Optical Isolators incorporate a Faraday Rotator and are specifically designed and manufactured to provide superior performance with high isolation, transmission, and power densities. Each option effectively reduces feedback in the external cavity of diode laser systems and blocks reflections from free-space fiber coupling. Free-Space Optical Isolators increase power stabilization in optical systems and also eliminate feedback-induced damage to sensitive optical components. These isolators enable state of the art protection for the most stable lasers in the world and are ideal for demanding laser applications.



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