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## 820nm Dual Stage Free-Space Optical Isolator



820nm Dual Stage Free-Space Optical Isolator, #35-984

Stock **#35-984** **1 In Stock**

⊖ 1 ⊕ **A\$8,496<sup>00</sup>**

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### Volume Pricing

Qty 1-4	<b>A\$8,496.00</b> each
Qty 5+	<b>A\$7,646.40</b> each
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#### General

Dual Stage Optical Isolator **Type:**

Faraday **Style:**

#### Physical & Mechanical Properties

4.7 **Clear Aperture CA (mm):**

#### Optical Properties

80 **Minimum Transmission (%)**:

90 (typical) **Transmission (%)**:

820 **Design Wavelength DWL (nm)**:

800 - 865 **Wavelength Range (nm)**:

40 W, 4 kW/cm<sup>2</sup> @ DWL **Damage Threshold, By Design:**

67 **Typical Isolation at Design Wavelength (dB)**:

60 **Minimum Isolation at Design Wavelength (dB)**:

40 W, 4 kW/cm<sup>2</sup> @ DWL **Damage Threshold, CW**:

## Environmental & Durability Factors

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

## Regulatory Compliance

[View](#) **Certificate of Conformance:**

## 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.

**LASER OPTICS** MADE BY EDMUND OPTICS®

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