

835nm Single Stage Free-Space Optical Isolator



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₹1,90,350

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General

Single Stage Optical Isolator

Type:

Faraday

Style:

Physical & Mechanical Properties

4.7

Clear Aperture CA (mm):

Optical Properties

Minimum Transmission (%):

>85	Transmission (%):
92	
835	Design Wavelength DWL (nm):
810 - 860	Wavelength Range (nm):
40 W, 4 kW/cm ² @ DWL	Damage Threshold, By Design: ☐
43	Typical Isolation at Design Wavelength (dB):
>35	Minimum Isolation at Design Wavelength (dB):

Environmental & Durability Factors

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

View	Certificate of Conformance:
United States	Country of Origin:
Edmund Optics India Private Limited	Imported By:

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.

