

795nm Mini Single Stage Free-Space Optical Isolator



Mini Free-Space Optical Isolators

Stock #72-629 CLEARANCE **1 In Stock**

MRP ₹2,39,614

Price inclusive of all taxes

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General

Single Stage Optical Isolator **Type:**

Faraday **Style:**

Physical & Mechanical Properties

7.69 **Length (mm):**

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

7.90 Diameter (mm):

Optical Properties

>70 Minimum Transmission (%):

795 Design Wavelength DWL (nm):

60 W/cm² @ DWL Damage Threshold, By Design: □

>30 Minimum Isolation at Design Wavelength (dB):

Environmental & Durability Factors

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

Regulatory Compliance

[View](#) Certificate of Conformance:

United States Country of Origin:

Imported By:
Edmund Optics India Private Limited
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Product Details

- Small, <1cm³, 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 1cm³ 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.

LASER OPTICS MADE BY EDMUND OPTICS®

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