

835nm Single Stage Free-Space Optical Isolator



Stock **#35-974** [CONTACT US](#)

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+

£3,776⁰⁰

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Volume Pricing	
Qty 1-4	£3,776.00 each
Qty 5+	£3,400.00 each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General	
Single Stage Optical Isolator	Type:
Faraday	Style:
Physical & Mechanical Properties	
4.7	Clear Aperture CA (mm):

Optical Properties	
>85	Minimum Transmission (%):
92	Transmission (%):
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):
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.

