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690nm Single Stage Free-Space Optical Isolator



405nm Single Stage Free-Space Optical Isolator, #35-969



Stock **#35-971** 1 In Stock

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1

+

S\$5,789⁰⁰

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Volume Pricing	
Qty 1-4	S\$5,789.00 each
Qty 5+	S\$5,215.00 each
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General

Single Stage Optical Isolator

Type:

Faraday

Style:

Physical & Mechanical Properties

Clear Aperture CA (mm):

Optical Properties	
>85	Minimum Transmission (%):
	Transmission (%):
92	
Design Wavelength DWL (nm):	
690	
Wavelength Range (nm):	
670 - 710	
Damage Threshold, By Design: ☐	
40 W, 4 kW/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.

