

820nm Dual Stage Free-Space Optical Isolator



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

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

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1

+

S\$7,434⁰⁰

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Volume Pricing	
Qty 1-4	S\$7,434.00 each
Qty 5+	S\$6,690.60 each
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General	
Dual Stage Optical Isolator	Type:
Faraday	Style:
Physical & Mechanical Properties	
4.7	Clear Aperture CA (mm):
Optical Properties	

Minimum Transmission (%):	
80	
Transmission (%):	
90 (typical)	
Design Wavelength DWL (nm):	
820	
Wavelength Range (nm):	
800 - 865	
Damage Threshold, By Design: ☐	
40 W, 4 kW/cm ² @ DWL	
Typical Isolation at Design Wavelength (dB):	
67	
Minimum Isolation at Design Wavelength (dB):	
60	
Damage Threshold, CW:	
40 W, 4 kW/cm ² @ DWL	
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.

