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12.5mm Diameter High Contrast Mid-Wave Infrared Polarizer



Stock #90-386 **NEW** 8 In Stock

S\$994.⁰⁰

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Qty 1-10	S\$994.00 each
Qty 11+	S\$798.00 each
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General

Linear Polarizer **Type:**

Physical & Mechanical Properties

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

12.50 +0.0/-0.2 **Diameter (mm):**

2.00 ±0.50 **Thickness (mm):**

Nanoparticle	Construction:
90	Clear Aperture (%):
Optical Properties	
Uncoated	Coating:
>10,000:1 (2000-4500nm) >1,000:1 (1500-5000nm)	Extinction Ratio:
Sodium Silicate Glass Doped with Glass Nanoparticles	Substrate: <input type="checkbox"/>
60-40	Surface Quality:
>65 (2000nm-4500nm) >35 (1500-5000nm)	Transmission (%):
<3 waves @ 633nm per 1cm	Transmitted Wavefront, P-V:
<20	Beam Deviation (arcmin):
<0.5 (to indicated edge)	Polarization Axis Mark (%):
1500 - 5000	Wavelength Range (nm):
±20	Acceptance Angle (°):
Threading & Mounting	
Unmounted	Mount Thickness (mm):
Environmental & Durability Factors	
-50 to +400	Operating Temperature (°C):
Regulatory Compliance	
View	Certificate of Conformance:

Product Details

- 1.5 – 5µm Wavelength Range
- Mounted for Easy Handling and System Integration
- Highly Durable Soda Lime Substrate

Featuring high contrast ratios and transmittances, Mid-Wave Infrared (MMIR) Polarizers are designed for applications operating in the 1.5 – 5µm wavelength range. Ideal for harsh environments, each MMIR polarizer is constructed of a dichroic glass substrate which provides a high resistance to UV radiation and chemicals, as well as an operating temperature of up to 400°C.