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## 25mm Diameter High Contrast Mid-Wave Infrared Polarizer



Stock #90-387 NEW **1 In Stock**

S\$2,597<sup>00</sup>

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**General**

Linear Polarizer Type:

**Physical & Mechanical Properties**

23.75 Clear Aperture CA (mm):

25.00 +0.0/-0.2 Diameter (mm):

2.00 ±0.50 Thickness (mm):

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

## 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.