

## 12.5mm Diameter High Contrast Mid-Wave Infrared Polarizer



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

£568<sup>00</sup>

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Volume Pricing	
Qty 1-10	£568.00 each
Qty 11+	£456.00 each
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**i** Prices shown are exclusive of VAT/local taxes

Product Downloads

**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	<b>Thickness (mm):</b>
Nanoparticle	<b>Construction:</b>
90	<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> □
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>

### Threading & Mounting

Unmounted	<b>Mount Thickness (mm):</b>
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### Environmental & Durability Factors

-50 to +400	<b>Operating Temperature (°C):</b>
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### Regulatory Compliance

<a href="#">View</a>	<b>Certificate of Conformance:</b>
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## 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 MMR 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.