

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



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

£568<sup>.00</sup>

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| 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)<br>>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)<br>>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> |
|-----------|------------------------------|

### Environmental & Durability Factors

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

### Regulatory Compliance

|                      |                                    |
|----------------------|------------------------------------|
| <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 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.