

## 12.5mm Diameter Mid-Wave Infrared Polarizer



Stock #85-262 **5 In Stock**

- 1 + €815<sup>00</sup>

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### Product Downloads

### General

Linear Polarizer **Type:**

### Physical & Mechanical Properties

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

12.50 **Diameter (mm):**

5.00 **Thickness (mm):**

Nanoparticle **Construction:**

## Optical Properties

±20 **Angle of Incidence (°):**

>1,000:1 (1500-5000nm)  
>10,000:1 (2000-4500nm) **Extinction Ratio:**

Soda Lime Float Glass **Substrate:**

60-40 **Surface Quality:**

35 (1500-5000nm)  
65 (2000-4500nm) **Transmission (%):**

<3λ per 10mm **Transmitted Wavefront, P-V:**

<1 **Beam Deviation (arcmin):**

±2 **Polarization Axis Mark (%):**

1500 - 5000 **Wavelength Range (nm):**

1 W/cm<sup>2</sup> (Continuous Block)  
5 W/cm<sup>2</sup> (Continuous Pass) **Damage Threshold, By Design:**

## Environmental & Durability Factors

-20 to +120 **Operating Temperature (°C):**

## Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Compliant](#) **REACH 241:**

## 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.