

12.5mm Diameter Mid-Wave Infrared Polarizer



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

- 1 + MRP ₹82,226

i Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹82,226 each
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General

Linear Polarizer **Type:**

Physical & Mechanical Properties

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

12.50 **Diameter (mm):**

Thickness (mm):

5.00

Construction:

Nanoparticle

Optical Properties

Angle of Incidence (°):

±20

Extinction Ratio:

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

Substrate:

Soda Lime Float Glass

Surface Quality:

60-40

Transmission (%):

35 (1500-5000nm)
65 (2000-4500nm)

Transmitted Wavefront, P-V:

<3λ per 10mm

Beam Deviation (arcmin):

<1

Polarization Axis Mark (%):

±2

Wavelength Range (nm):

1500 - 5000

Damage Threshold, By Design:

1 W/cm² (Continuous Block)
5 W/cm² (Continuous Pass)

Environmental & Durability Factors

Operating Temperature (°C):

-20 to +120

Regulatory Compliance

RoHS 2015:

[Compliant](#)

Certificate of Conformance:

[View](#)

REACH 241:

[Compliant](#)

Country of Origin:

Germany

Imported By:

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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 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.