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25mm Diameter High Contrast Mid-Wave Infrared Polarizer

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

- 1 + **MRP ₹1,87,152**

Price inclusive of all taxes

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Volume Pricing	
Qty 1-10	**₹1,87,152** each
Qty 11+	**₹1,49,822** each
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General

Type:

Linear Polarizer

Physical & Mechanical Properties

Clear Aperture CA (mm):

23.75

Diameter (mm):

25.00 +0.0/-0.2

Thickness (mm):

2.00 ±0.50

Construction:
Nanoparticle

Clear Aperture (%):
95

Optical Properties

Coating:
Uncoated

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

Substrate:
Sodium Silicate Glass Doped with Glass Nanoparticles

Surface Quality:
60-40

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

Transmitted Wavefront, P-V:
<3 waves @ 633nm per 1cm

Beam Deviation (arcmin):
<20

Polarization Axis Mark (%):
<0.5 (to indicated edge)

Wavelength Range (nm):
1500 - 5000

Acceptance Angle (°):
±20

Threading & Mounting

Mount Thickness (mm):
Unmounted

Environmental & Durability Factors

Operating Temperature (°C):
-50 to +400

Regulatory Compliance

Certificate of Conformance:
View

Country of Origin:
Germany

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
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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 (MWIR) Polarizers are designed for applications operating in the 1.5 – 5µm wavelength range. Ideal for harsh environments, each MWIR 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.

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