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12.5mm Diameter High Contrast Mid-Wave Infrared Polarizer



Stock #90-386 NEW 8 In Stock

MRP ₹71,632

Price inclusive of all taxes

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Volume Pricing	
Qty 1-10	₹71,632 each
Qty 11+	₹57,507 each
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General

Linear Polarizer Type:

Physical & Mechanical Properties

11.25 Clear Aperture CA (mm):

12.50 +0.0/-0.2 Diameter (mm):

Thickness (mm):

2.00 ±0.50

Construction:

Nanoparticle

Clear Aperture (%):

90

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
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6th Cross Rd, Binnamangala,
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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.