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50.8mm Dia. 300 - 2700nm Broadband Polarizer



Broadband Polarizers

Stock #71-208 **1 In Stock**

⊖ 1 ⊕ €3.375⁰⁰

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General

Linear Polarizer **Type:**

Physical & Mechanical Properties

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

50.80 **Diameter (mm):**

Thickness (mm):

2.50 ±0.3

Dimensional Tolerance (mm):

+0.0/-0.1

Optical Properties

Angle of Incidence (°):

±40

Extinction Ratio:

>100:1 @ 300 - 400nm (Typical)
>50,000:1 @ 450 - 550nm (Typical)
>800:1 @ 700 - 1400nm (Typical)
>1000:1 @ 1400 - 2650nm (Typical)

Substrate:

Fused Silica (Corning 7980)

Wavelength Range (nm):

300 - 2700

Polarization Axis Mark (°):

±2

Threading & Mounting

Mount Thickness (mm):

4.5

Environmental & Durability Factors

Operating Temperature (°C):

-50 to 80

Regulatory Compliance

Certificate of Conformance:

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Product Details

- Wide Acceptance Angles
- Broadband Performance from 300 -2700nm
- Compact Designs Ease System Integration

Broadband Polarizers are ideal solutions for broadband applications from the UV to SWIR where wire grid polarizers are not practical. Broadband Polarizers feature acceptance angles of ±40° and are well suited for use with uncollimated light sources. Additionally, these polarizers utilize a proprietary design that allows for consistent transmitted contrast from 300 – 2700nm.

Note: The input beam should enter through the front of the optic, which is the engraved side.

Technical Information

