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## 12.7mm Dia. 300 - 2700nm Broadband Polarizer



Broadband Polarizers

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**General**

Linear Polarizer **Type:**

**Physical & Mechanical Properties**

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

12.70 **Diameter (mm):**

2.50 ±0.3 **Thickness (mm):**

**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:**[View](#)**Country of Origin:**

United States

**Imported By:**

Edmund Optics India Private Limited

**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**