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## Glan-Taylor Polarizer 350 - 2300nm, 8mm



Glan-Taylor Polarizer

Stock **#89-547** **1 In Stock**

MRP ₹97,863

**Price inclusive of all taxes**

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Volume Pricing	
Qty 1-5	₹97,863 each
Qty 6+	₹93,324 each
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### Product Downloads

#### General

Linear Polarizer **Type:**

#### Physical & Mechanical Properties

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

25.40 **Diameter (mm):**

Length (mm):  
17.00

Construction:  
Crystalline Glan-Taylor Polarizer

## Optical Properties

Coating:  
Single Layer MgF<sub>2</sub>

Extinction Ratio:  
<5 x 10<sup>-5</sup>

Substrate:   
Calcite

Surface Quality:  
20-10

Transmitted Wavefront, P-V:  
λ/2 @ 632.8nm

Beam Deviation (arcmin):  
<3

Transmitted Wavefront Distortion (RMS):  
λ/4 @ 632.8 nm

Wavelength Range (nm):  
350 - 2300

Damage Threshold, By Design:   
2 J/cm<sup>2</sup> @ 1064nm, 10ns, 10Hz

## Regulatory Compliance

RoHS 2015:  
[Compliant](#)

Certificate of Conformance:  
[View](#)

Reach 247:  
[Compliant](#)

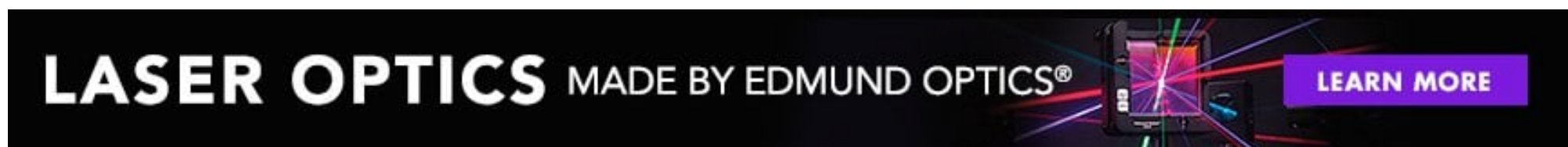
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Lithuania

Imported By:  
Edmund Optics India Private Limited  
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## Product Details

- High Extinction Ratios up to 200 000:1
- High Laser Damage Thresholds up to 5 J/cm<sup>2</sup> @ 1064nm

Glan-Type Polarizers are mounted, polarizing prisms used in applications that require broad spectral ranges, high extinction ratios, or high polarization purities. Glan-Taylor Polarizers are medium-power, air-spaced UV to NIR polarizers that transmit the extraordinary beam. The ordinary beam is then reflected and absorbed by black glass plates that have been cemented to the prism. Glan-Laser Polarizers are similar to Glan-Taylor, but are designed for higher power applications and appropriate for use in Q-switched laser cavities. Glan-Laser Polarizers utilize an advanced polishing technique for minimizing surface scatter and feature two escape windows for passing the high power rejected light. Glan-Thompson Polarizers are low power polarizers that are ideal for UV, visible, or NIR applications, feature a cemented design, and transmit the extraordinary beam while absorbing the reflected ordinary beam.



## Technical Information





*Glan-Laser Polarizers*



*Glan-Thompson Polarizers*