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Glan-Taylor Polarizer 350 - 2300nm, 12.7mm



Glan-Taylor Polarizer

Stock **#89-548** [CONTACT US](#)

-

1

+

£1,080⁰⁰

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Volume Pricing	
Qty 1-5	£1,080.00 each
Qty 6+	£1,028.00 each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Linear Polarizer

Type:

Physical & Mechanical Properties

12.7

Clear Aperture CA (mm):

25.40

Diameter (mm):

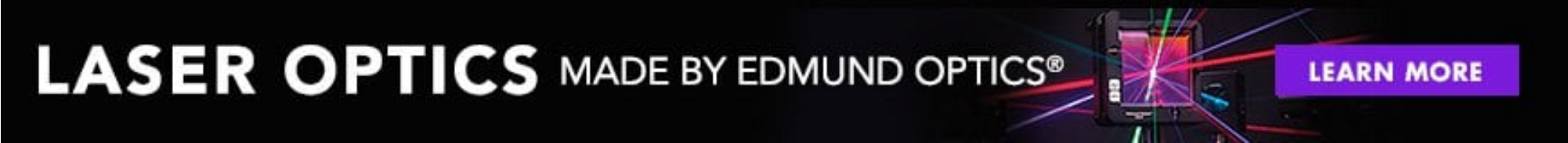
21.00	Length (mm):
Crystalline Glan-Taylor Polarizer	Construction:
Optical Properties	
Single Layer MgF ₂	Coating:
<5 x 10 ⁻⁵	Extinction Ratio:
Calcite	Substrate: ☐
20-10	Surface Quality:
λ/2 @ 632.8nm	Transmitted Wavefront, P-V:
<3	Beam Deviation (arcmin):
λ/4 @ 632.8 nm	Transmitted Wavefront Distortion (RMS):
350 - 2300	Wavelength Range (nm):
2 J/cm ² @ 1064nm, 10ns, 10Hz	Damage Threshold, By Design: ☐

Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

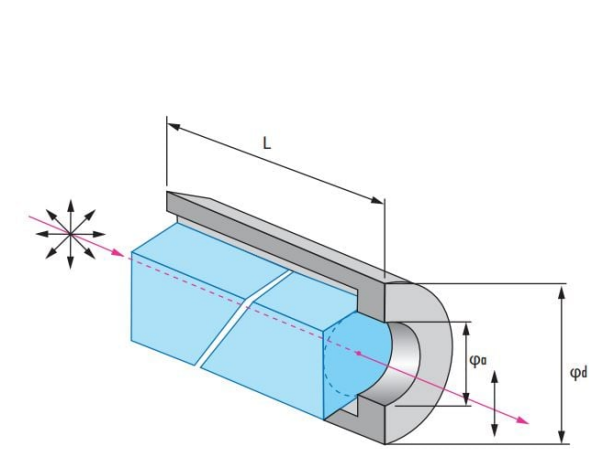
Product Details

- High Extinction Ratios up to 200 000:1
- High Laser Damage Thresholds up to 5 J/cm² @ 1064nm

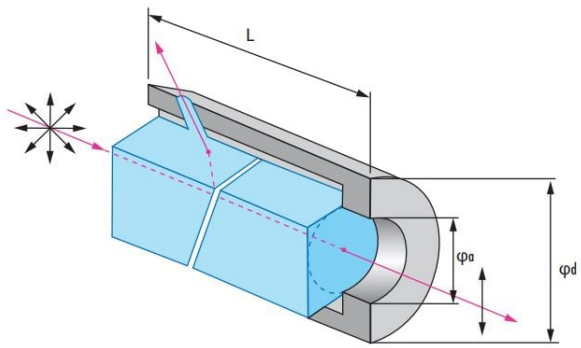
Glan-Type Polarizers are mounted, polarizing prisms used in applications that require broad spectral ranges, high extinction ratios, or high polarization purities. Glan-Taylor Polarizers are medium-power, air-spaced UV to NIR polarizers that transmit the extraordinary beam. The ordinary beam is then 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.



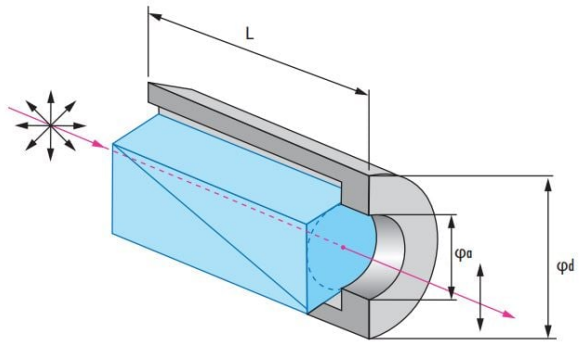
Technical Information



Glan-Taylor Polarizers



Glan-Laser Polarizers



Glan-Thompson Polarizers