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Glan-Laser Polarizer 200 - 350nm, 8mm

Glan-Laser Polarizer

Stock **#89-553** CONTACT US

- 1 + **A$1,976**.00

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Qty 1-5	**A$1,976.00** each
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General

Type:

Linear Polarizer

Physical & Mechanical Properties

Clear Aperture CA (mm):

8.0

Diameter (mm):

25.40

Length (mm):

31.00

Construction:
Crystalline Glan-Laser Polarizer

Optical Properties

Coating:
Single Layer MgF_2

Extinction Ratio:
$<5 \times 10^{-6}$

Substrate:
α-BBO

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):
200 - 350

Damage Threshold, By Design:
5 J/cm^2 @ 1064nm, 10ns, 10Hz

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

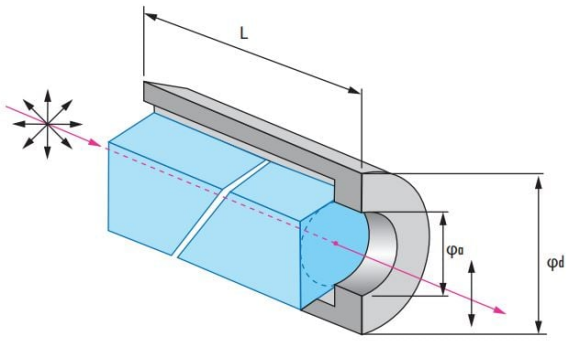
Reach 247:
Compliant

Product Details

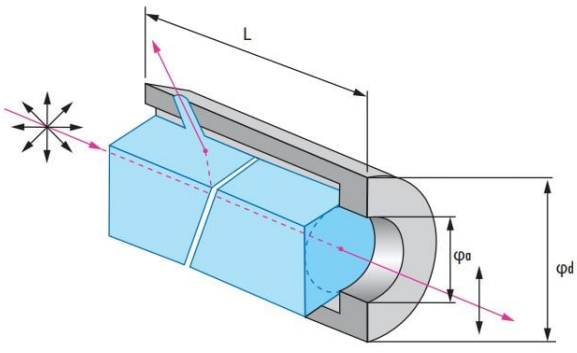
- High Extinction Ratios up to 200 000:1
- High Laser Damage Thresholds up to 5 J/cm^2 @ 1064nm

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.

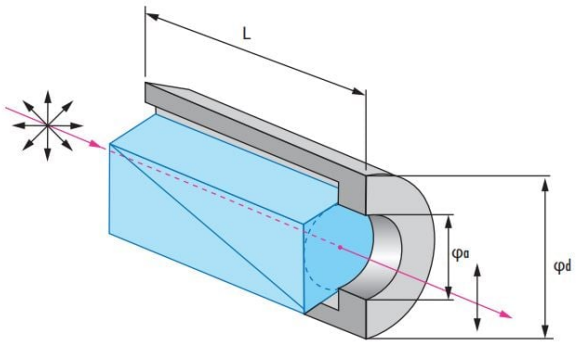
Technical Information



Glan-Taylor Polarizers



Glan-Laser Polarizers



Glan-Thompson Polarizers

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