

Glan-Taylor Polarizer 200 - 350nm, 12.7mm



Glan-Taylor Polarizer

Stock **#89-550** **1 In Stock**

-

1

+

A\$2,257⁷⁶

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Volume Pricing	
Qty 1-5	A\$2,257.76 each
Qty 6+	A\$2,107.79 each
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SPECIFICATIONS

General

Type:

Linear Polarizer

Physical & Mechanical Properties

Clear Aperture CA (mm):

12.7	
	Diameter (mm):
25.40	
	Length (mm):
21.00	
	Construction:
Crystalline Glan-Taylor Polarizer	

Optical Properties

	Coating:
Single Layer MgF ₂	
	Extinction Ratio:
<5 x 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:
2 J/cm ² @ 1064nm, 10ns, 10Hz	

Regulatory Compliance

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

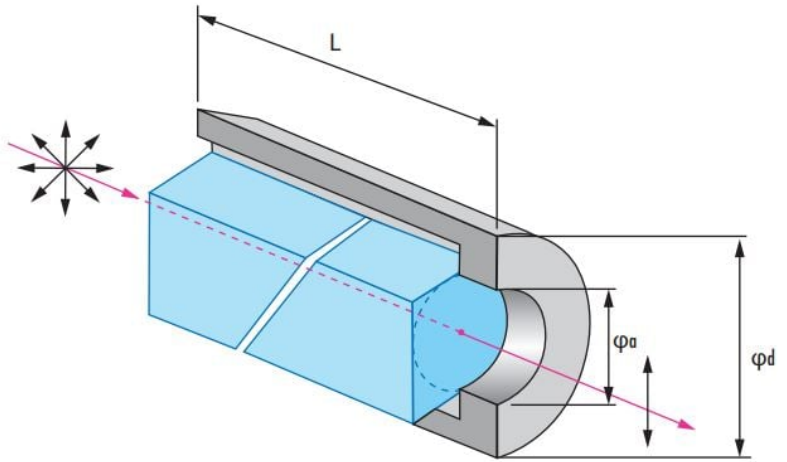
PRODUCT DETAILS

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

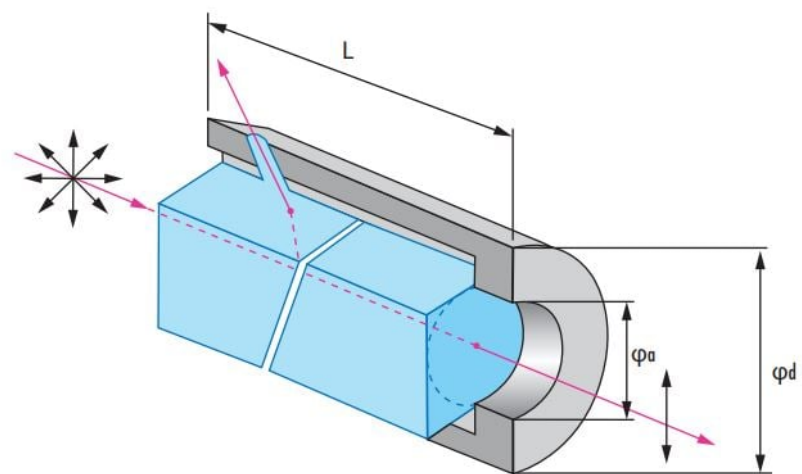
Glan-Type Polarizers are mounted, polarizing prisms used in applications that require broad spectral ranges, high extinction ratios, or high polarization purities. Glan-Taylor Polarizers are medium-power, air-spaced UV to NIR polarizers that transmit the extraordinary beam. The ordinary beam is then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



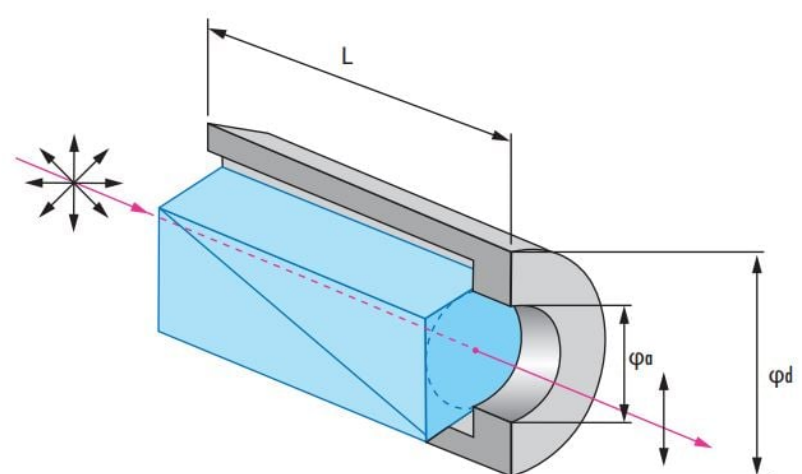
TECHNICAL INFORMATION



Glan-Taylor Polarizers



Glan-Laser Polarizers



Glan-Thompson Polarizers