

## a-BBO Wollaston Polarizer



Stock **#68-823** **6 In Stock**

⊖ 1 ⊕ £1,004<sup>00</sup>

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### Volume Pricing

Qty 1+	£1,004.00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Linear Polarizer **Type:**

### Physical & Mechanical Properties

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

25.40 **Diameter (mm):**

18.00 **Length (mm):**

Dimensional Tolerance (mm):  
+0.0/-0.2

Construction:  
Crystalline Wollaston Polarizer

Length Tolerance (mm):  
±0.1

Housing:  
Black Anodized Aluminum

## Optical Properties

Extinction Ratio:  
200,000:1

Substrate:   
α-BBO

Surface Quality:  
20-10

Transmitted Wavefront, P-V:  
λ/4 @ 632.8nm

Beam Deviation (arcmin):  
<3

Beam Separation (°):  
15 - 27  
16 @ 800nm

Wavelength Range (nm):  
220 - 3500

Damage Threshold, By Design:   
10 J/cm<sup>2</sup> @ 1064nm, 20ns

Separation Angle (°):  
15 - 27 (16 @ 800nm)

## Regulatory Compliance

Certificate of Conformance:  
[View](#)

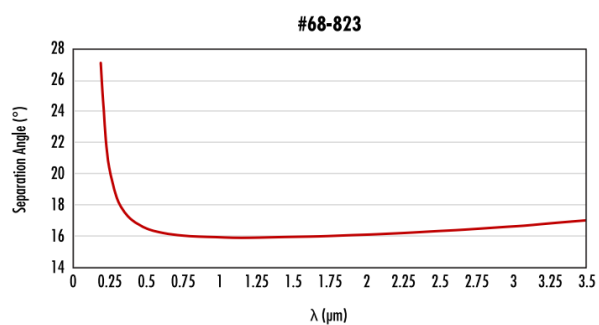
## Product Details

- Multiple Polarization Materials Available
- UV to IR Ranges Offered
- Large Deviation of Ordinary and Extraordinary Rays
- [Rochon Polarizers](#) Also Available

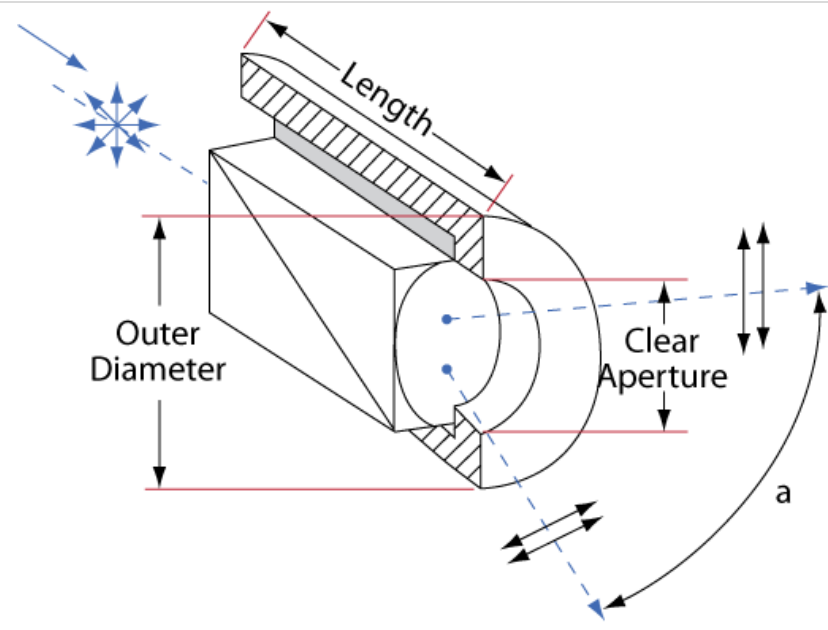
Wollaston Polarizers consist of two birefringent right angle prisms cemented together, such that their optical axes are perpendicular. As light passes through the polarizer, a symmetric deviation between the ordinary and extraordinary beams is created. The resulting beams are of orthogonal linear polarization states and have equal intensity and a large angular deviation. Users have access to both the ordinary and extraordinary rays, making them ideal for laboratory experiments.

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## Technical Information



Stock No.	Outer Diameter	Clear Aperture	Length	Separation Angle α (°)
<a href="#">#68-820</a>	25.4mm	10.0mm	28.0mm	2 - 3 (2 @ 1064nm)
<a href="#">#68-821</a>	25.4mm	10.0mm	18.0mm	16.7 - 22.5 (19 @ 980nm)
<a href="#">#68-822</a>	25.4mm	10.0mm	18.0mm	19.6 - 23.3 (20 @ 1550nm)
<a href="#">#68-823</a>	25.4mm	10.0mm	18.0mm	15 - 27 (16 @ 800nm)



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