

## a-BBO Wollaston Polarizer



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

S\$1,757<sup>00</sup>

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**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

Crystalline Wollaston Polarizer

Construction:

±0.1

Length Tolerance (mm):

Black Anodized Aluminum

Housing:

### Optical Properties

200,000:1

Extinction Ratio:

α-BBO

Substrate: □

20-10

Surface Quality:

λ/4 @ 632.8nm

Transmitted Wavefront, P-V:

<3

Beam Deviation (arcmin):

15 - 27

16 @ 800nm

Beam Separation (°):

220 - 3500

Wavelength Range (nm):

10 J/cm<sup>2</sup> @ 1064nm, 20ns

Damage Threshold, By Design: □

15 - 27 (16 @ 800nm)

Separation Angle (°):

### Regulatory Compliance

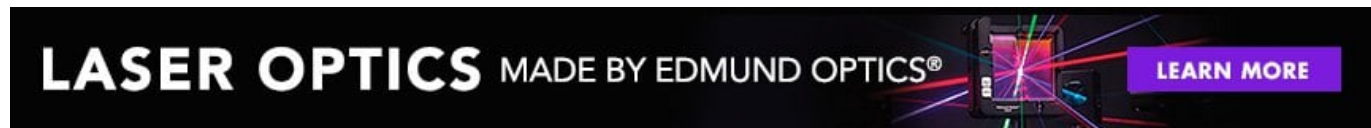
Certificate of Conformance:

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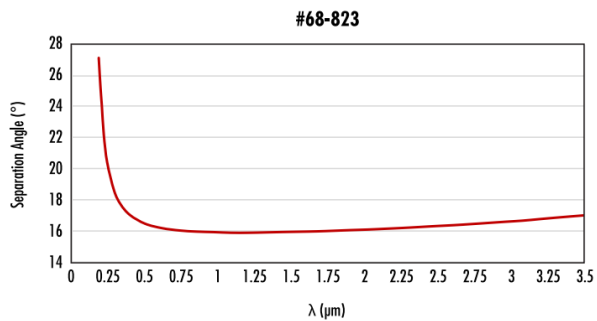
## Product Details

- 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.



## 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)

