

a-BBO Wollaston Polarizer



Stock #68-823 **7 In Stock**

C\$1,757⁰⁰

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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/cm² @ 1064nm, 20ns

Damage Threshold, By Design: □

15 - 27 (16 @ 800nm)

Separation Angle (°):

Regulatory Compliance

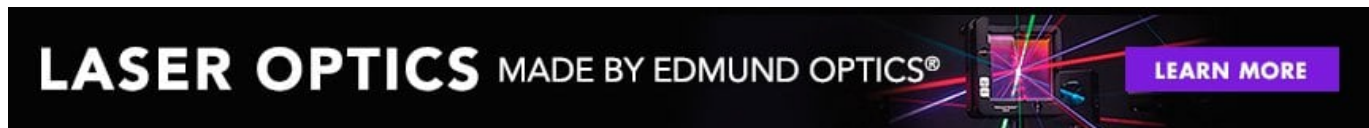
Certificate of Conformance:

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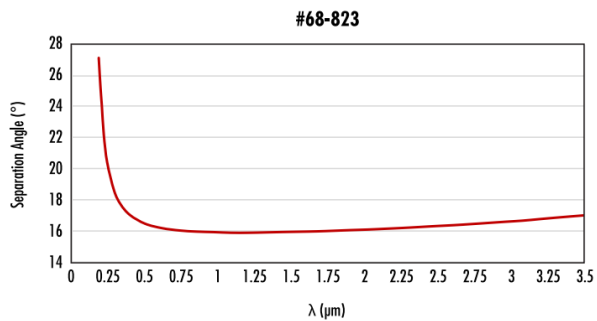
Product Details

- 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 (°)
#68-820	25.4mm	10.0mm	28.0mm	2 - 3 (2 @ 1064nm)
#68-821	25.4mm	10.0mm	18.0mm	16.7 - 22.5 (19 @ 980nm)
#68-822	25.4mm	10.0mm	18.0mm	19.6 - 23.3 (20 @ 1550nm)
#68-823	25.4mm	10.0mm	18.0mm	15 - 27 (16 @ 800nm)

