

a-BBO Wollaston Polarizer



Stock **#68-823** 3 In Stock

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1

+

S\$1,717^{.53}

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SPECIFICATIONS

General

Linear Polarizer

Type:

Physical & Mechanical Properties

10.0

Clear Aperture CA (mm):

25.40	Diameter (mm):
18.00	Length (mm):
+0.0/-0.2	Dimensional Tolerance (mm):
Crystalline Wollaston Polarizer	Construction:
±0.1	Length Tolerance (mm):

Black Anodized Aluminum	Housing:
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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 (°):
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Regulatory Compliance

View	Certificate of Conformance:
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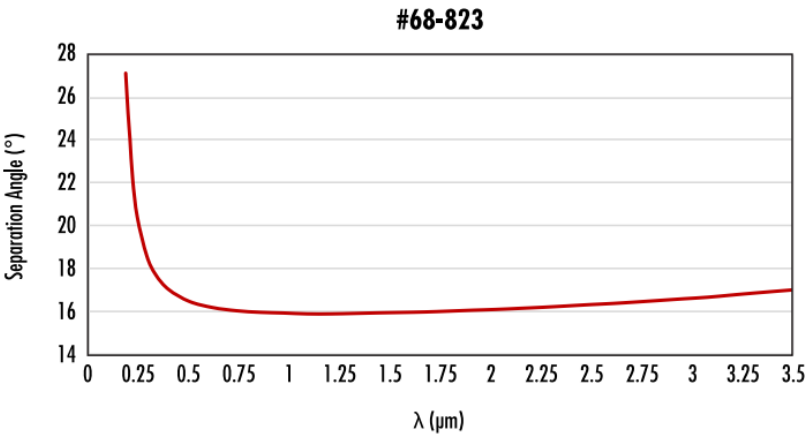
PRODUCT DETAILS

- 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)

