

a-BBO Wollaston Polarizer



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

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+

£1,004^{.00}

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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

Type:

Linear Polarizer

Physical & Mechanical Properties

Clear Aperture CA (mm):

10.0

Diameter (mm):

25.40

Length (mm):

18.00

+0.0/-0.2	Dimensional Tolerance (mm):
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 (°):

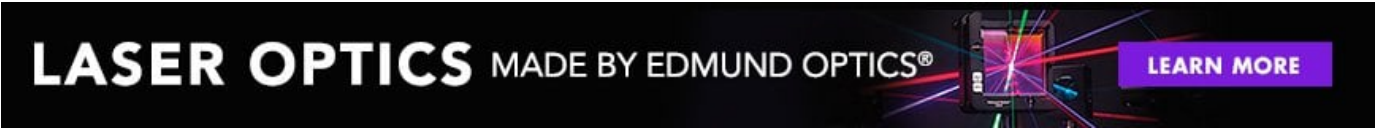
Regulatory Compliance

View	Certificate of Conformance:
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Product Details

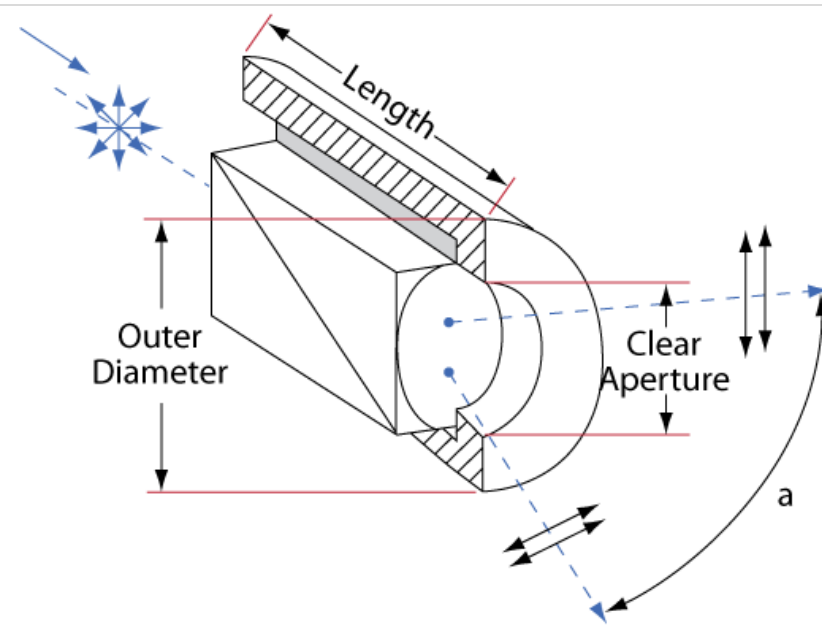
- Multiple Polarization Materials Available
- UV to IR Ranges Offered
- Large Deviation of Ordinary and Extraordinary Rays
- [Rochon Polarizers](#) Also Available

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)



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