

a-BBO Wollaston Polarizer



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

⊖ 1 ⊕ €1.255⁰⁰

ADD TO CART

Volume Pricing	
Qty 1+	€1.255,00 each
Need More?	Request Quote

ⓘ 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/cm² @ 1064nm, 20ns

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

Regulatory Compliance

Certificate of Conformance:
[View](#)

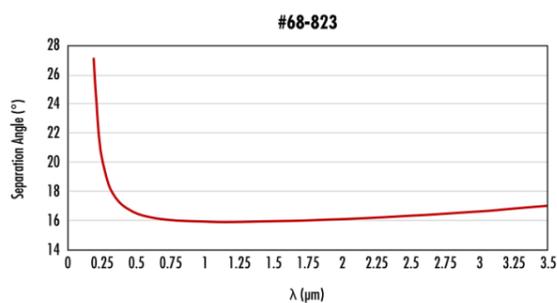
Product Details

- 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.

LASER OPTICS MADE BY EDMUND OPTICS® [LEARN MORE](#)

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)

