

Quartz Wollaston Polarizer



Stock **#68-820** 5 In Stock

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1

+

£604^{.00}

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Volume Pricing	
Qty 1+	£604.00 each
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ⓘ 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):

28.00

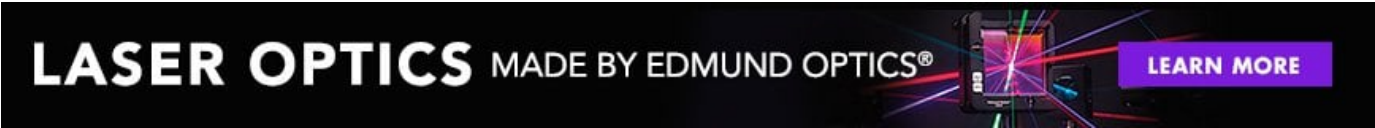
Length (mm):

Dimensional Tolerance (mm):	
+0.0/-0.2	
Construction:	
Crystalline Wollaston Polarizer	
Length Tolerance (mm):	
±0.1	
Housing:	
Black Anodized Aluminum	
Optical Properties	
Extinction Ratio:	
20,000:1	
Substrate: □	
Quartz	
Surface Quality:	
20-10	
Transmitted Wavefront, P-V:	
λ/4 @ 632.8nm	
Beam Deviation (arcmin):	
<3	
Beam Separation (°):	
2 - 3 2+/-0.1 @ 1064nm	
Wavelength Range (nm):	
200 - 2300	
Damage Threshold, By Design: □	
10 J/cm² @ 1064nm, 20ns	
Separation Angle (°):	
2 - 3 (2±0.1@1064nm)	
Regulatory Compliance	
Certificate of Conformance:	
View	

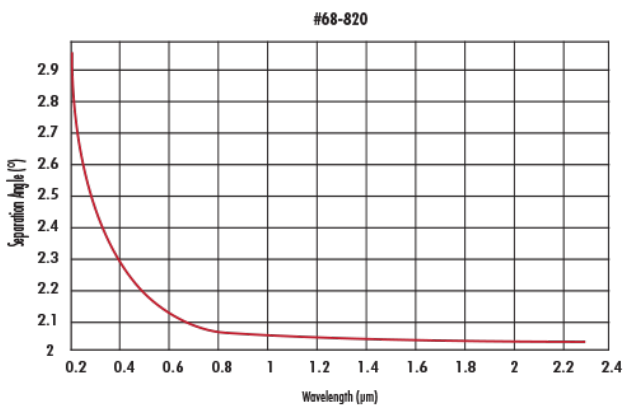
Product Details

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

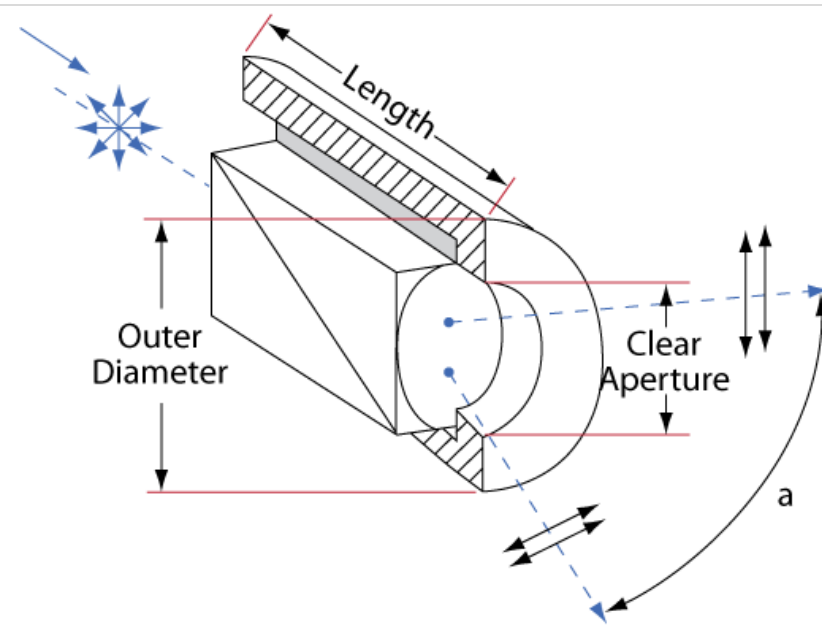
Wollaston Polarizers consist of two birefringent right angle prisms cemented together, such that their optical axes are perpendicular. As light passes through the polarizer, a symmetric deviation between the ordinary and extraordinary beams is created. The resulting beams are of orthogonal linear polarization 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.



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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