

a-BBO Rochon Polarizer



Stock **#68-827** 20+ In Stock

-

1

+

€1.200⁹⁸

ADD TO CART

Volume Pricing	
Qty 1+	€1.200,98 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Type:

Linear Polarizer

Physical & Mechanical Properties

Clear Aperture CA (mm):

10.0

25.40	Diameter (mm):
18.00	Length (mm):
+0.0/-0.2	Dimensional Tolerance (mm):
Crystalline Rochon 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):
200 - 3500	Wavelength Range (nm):
10 J/cm² @ 1064nm, 20ns	Damage Threshold, By Design: □
8.0 - 14 (8 @ 800nm)	Separation Angle (°):

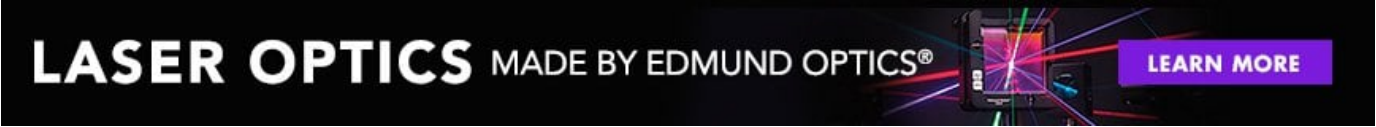
Regulatory Compliance

View	Certificate of Conformance:
------	-----------------------------

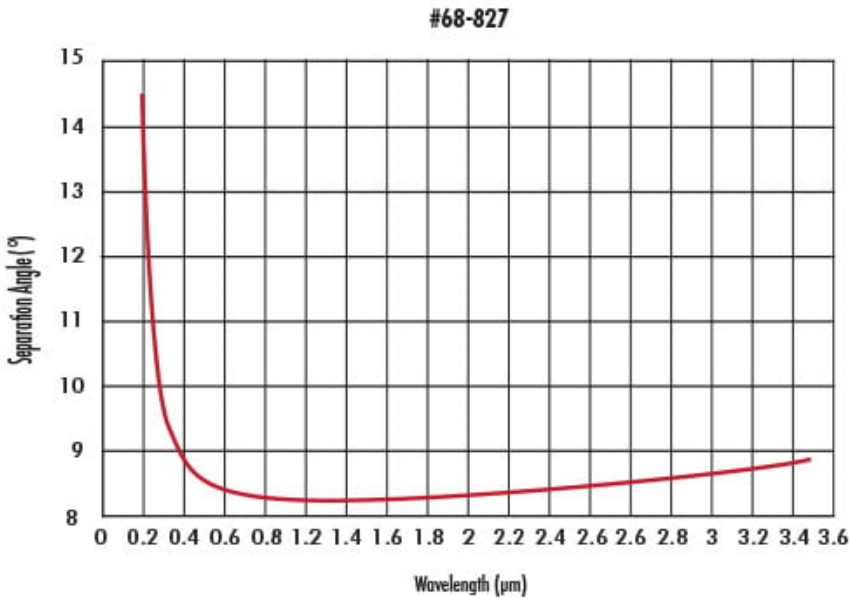
PRODUCT DETAILS

- Multiple Polarization Materials Available
- Ordinary Rays Pass Through Undeviated
- Extraordinary Rays Deviate
- Wollaston Polarizers Also Available

Rochon Polarizers consist of two birefringent material prisms in optical contact with one another. The ordinary and extraordinary rays remain collinear through the first prism. Upon entering the second prism, the ordinary rays do not experience a change in the refractive index and pass through the prism without deviation, while the extraordinary rays refract at the interface.



TECHNICAL INFORMATION



Stock No.	Outer Diameter	Clear Aperture	Length
#68-824	25.4mm	10.0mm	28.0mm
#68-825	25.4mm	10.0mm	28.0mm

#68-826	25.4mm	10.0mm	16.0mm
#68-827	25.4mm	10.0mm	18.0mm

The diagram illustrates a tapered optical component, possibly a lens or a waveguide, with the following labeled dimensions and features:

- Length:** The longitudinal dimension of the component, indicated by a double-headed arrow along the top edge.
- Outer Diameter:** The maximum diameter of the component, indicated by a vertical double-headed arrow on the left side.
- Clear Aperture:** The diameter of the clear opening at the right end, indicated by a vertical double-headed arrow.
- Angle 'a':** The taper angle of the component, indicated by an arc at the bottom right.
- Light Path:** A dashed blue line with arrows shows the light path entering from the left, passing through the component, and exiting as a fan beam on the right. A starburst symbol at the input indicates a point source.