

MgF₂ Rochon Polarizer



Stock #68-825 **20+ In Stock**

⊖ 1 ⊕ C\$1,491⁰⁰

ADD TO CART

Volume Pricing

Qty 1+	C\$1,491.00 each
Need More?	Request Quote

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

Crystalline Rochon Polarizer

Construction:

±0.1

Length Tolerance (mm):

Black Anodized Aluminum

Housing:

Optical Properties

10,000:1

Extinction Ratio:

MgF₂

Substrate:

20-10

Surface Quality:

λ/4 @ 632.8nm

Transmitted Wavefront, P-V:

<3

Beam Deviation (arcmin):

130 - 7000

Wavelength Range (nm):

10 J/cm² @ 1064nm, 20ns

Damage Threshold, By Design:

1.0 - 2.0 (1 @ 980nm)

Separation Angle (°):

Regulatory Compliance

[View](#)

Certificate of Conformance:

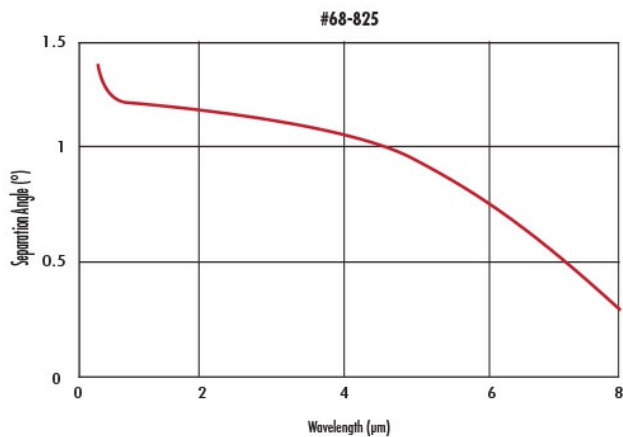
Product Details

- 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

