

## MgF<sub>2</sub> Rochon Polarizer



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

⊖ 1 ⊕ €1.065<sup>00</sup>

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Volume Pricing	
Qty 1+	€1.065,00 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 Rochon Polarizer

Length Tolerance (mm):  
±0.1

Housing:  
Black Anodized Aluminum

## Optical Properties

Extinction Ratio:  
10,000:1

Substrate:   
MgF<sub>2</sub>

Surface Quality:  
20-10

Transmitted Wavefront, P-V:  
λ/4 @ 632.8nm

Beam Deviation (arcmin):  
<3

Wavelength Range (nm):  
130 - 7000

Damage Threshold, By Design:   
10 J/cm<sup>2</sup> @ 1064nm, 20ns

Separation Angle (°):  
1.0 - 2.0 (1 @ 980nm)

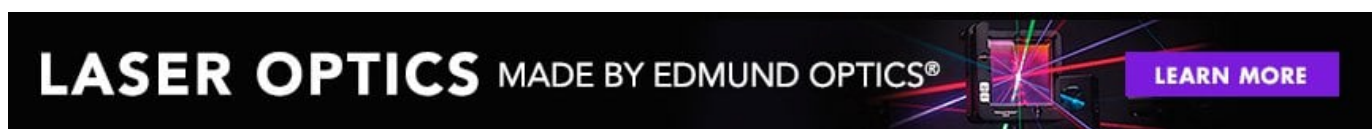
## Regulatory Compliance

Certificate of Conformance:  
[View](#)

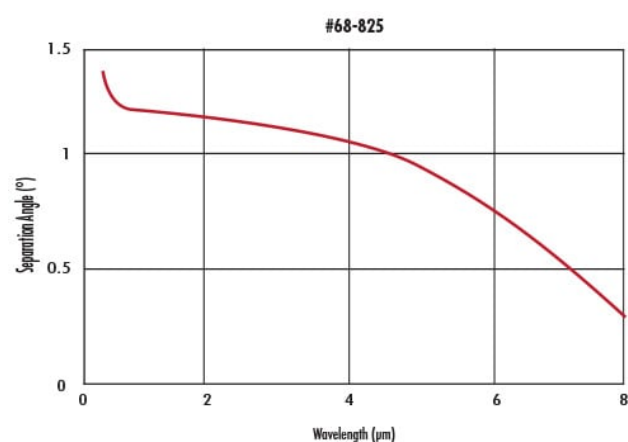
## Product Details

- Multiple Polarization Materials Available
- Ordinary Rays Pass Through Undeviated
- Extraordinary Rays Deviate
- [Wollaston Polarizers](#) Also Available

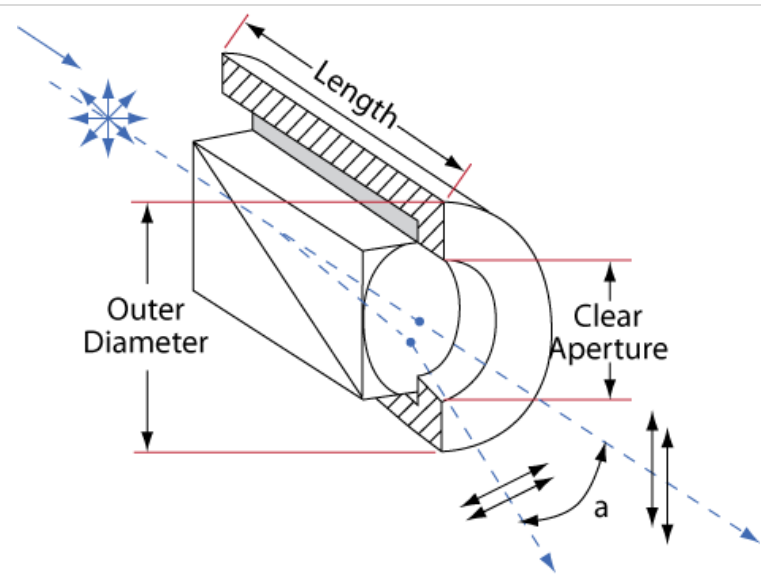
Rochon Polarizers consist of two birefringent material prisms in optical contact with one another. The ordinary and extraordinary rays remain collinear through the first prism. Upon entering the second prism, the ordinary rays do not experience a change in the refractive index and pass through the prism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



## Technical Information



Stock No.	Outer Diameter	Clear Aperture	Length
<a href="#">#68-824</a>	25.4mm	10.0mm	28.0mm
<a href="#">#68-825</a>	25.4mm	10.0mm	28.0mm
<a href="#">#68-826</a>	25.4mm	10.0mm	16.0mm
<a href="#">#68-827</a>	25.4mm	10.0mm	18.0mm



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