

## Quartz Rochon Polarizer



Stock #68-824 **13 In Stock**

⊖ 1 ⊕ C\$1,218<sup>00</sup>

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### Volume Pricing

Qty 1+	C\$1,218.00 each
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### 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**

20,000:1

**Extinction Ratio:**

Crystal Quartz

**Substrate:**

20-10

**Surface Quality:**

M4 @ 632.8nm

**Transmitted Wavefront, P-V:**

<3

**Beam Deviation (arcmin):**

200 - 2300

**Wavelength Range (nm):**

10 J/cm<sup>2</sup> @ 1064nm, 20ns

**Damage Threshold, By Design:**

1.0 - 1.5 (1 @ 1064nm)

**Separation Angle (°):**

**Regulatory Compliance**

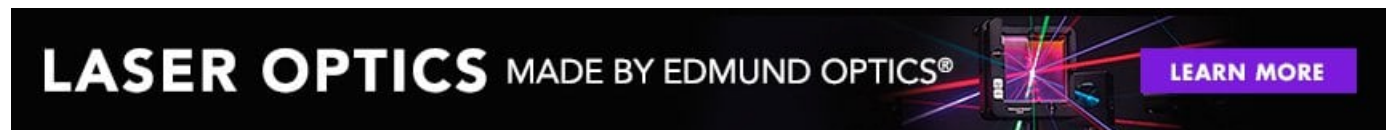
**Certificate of Conformance:**

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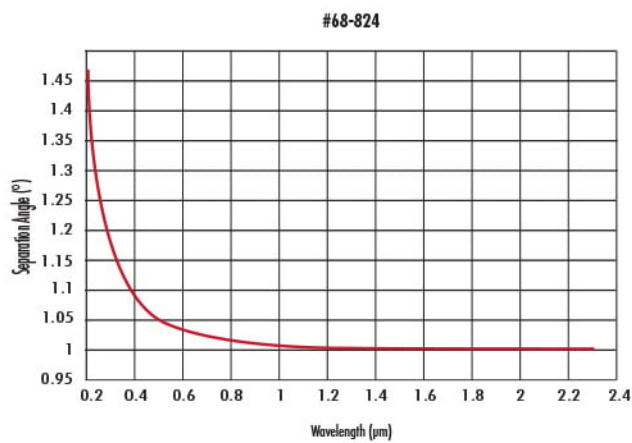
**Product Details**

- 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