

MgF₂ Rochon Polarizer



Stock **#68-825** [CONTACT US](#)

-

1

+

A\$1,704^{.00}

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Qty 1+	A\$1,704.00 each
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General

Type:

Linear Polarizer

Physical & Mechanical Properties

Clear Aperture CA (mm):

10.0

Diameter (mm):

25.40

Length (mm):

28.00

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:
MgF ₂	Substrate: ☐
20-10	Surface Quality:
λ/4 @ 632.8nm	Transmitted Wavefront, P-V:
<3	Beam Deviation (arcmin):
130 - 7000	Wavelength Range (nm):
10 J/cm ² @ 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.

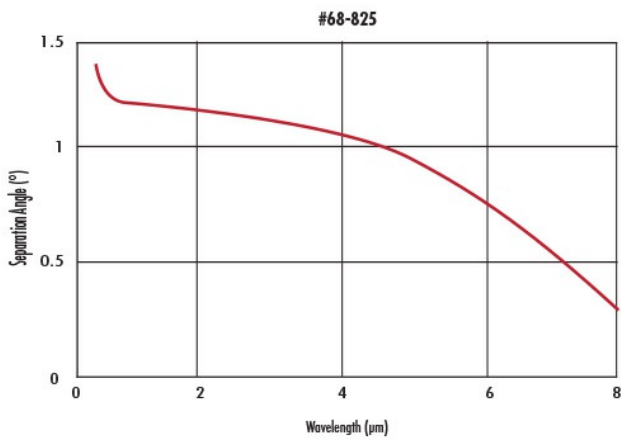
LASER OPTICS

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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

