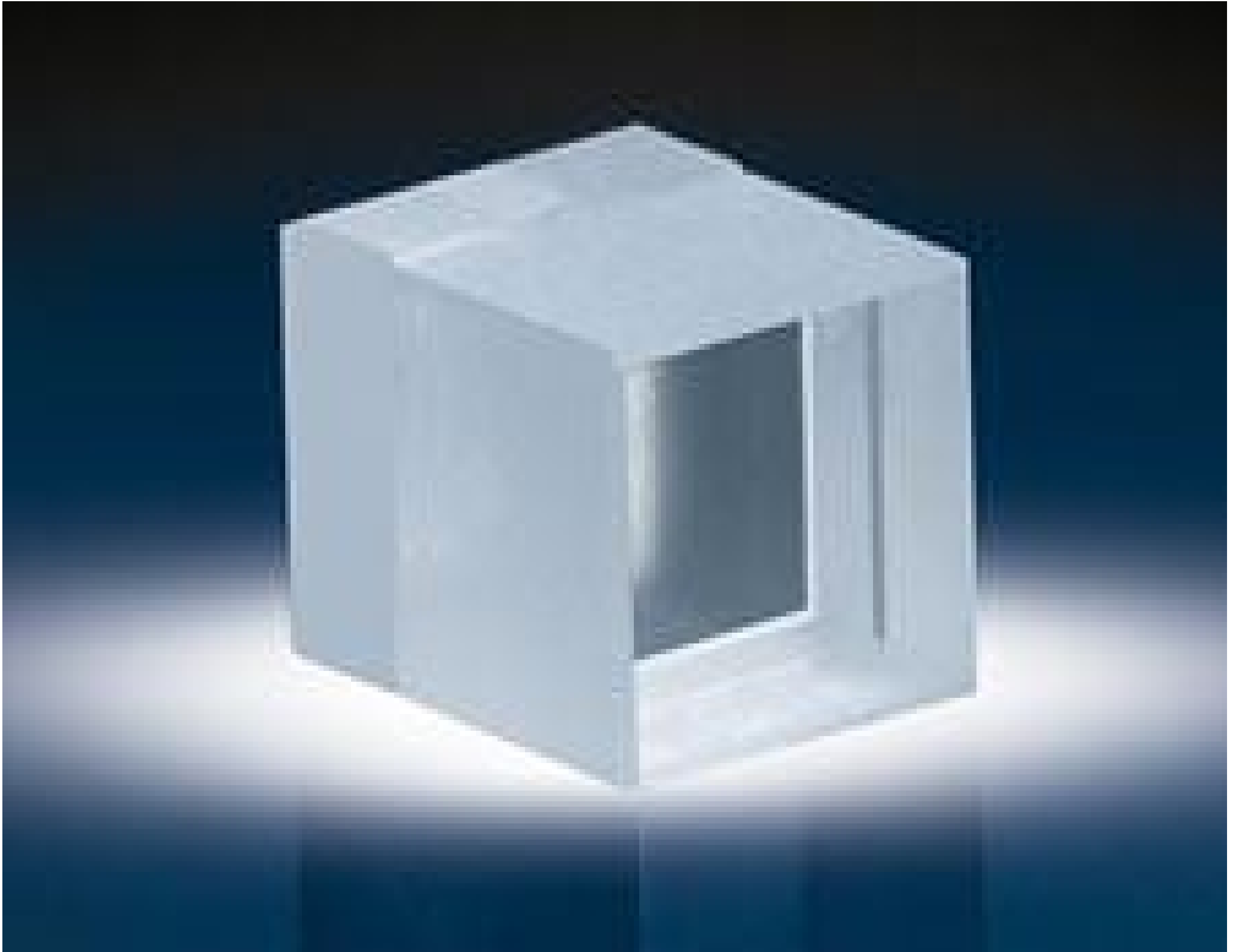


10 x 10mm Aperture, Quartz Lyot Depolarizer



Stock **#65-893** **5 In Stock**

⊖ 1 ⊕ A\$1,168⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	A\$1,168.00 each
Qty 6+	A\$944.00 each
Need More?	Request Quote

Product Downloads

General

Depolarizer **Type:**

Physical & Mechanical Properties

10.0 x 10.0 **Clear Aperture CA (mm):**

6.00 **Length (mm):**

±0.2 **Dimensional Tolerance (mm):**

Crystalline	Construction:
<20	Parallelism (arcsec):
Optical Properties	
Crystal Quartz	Substrate: □
20-10	Surface Quality:
200 - 2300	Wavelength Range (nm):
λ/10	Surface Flatness (P-V):
Regulatory Compliance	
View	Certificate of Conformance:

Product Details

Lyot Depolarizers are not suitable for monochromatic light.

- Turn Polarized Light into Non-Polarized (Unpolarized) Light
- Designed for Polychromatic Light
- UV to IR Wavelength Range

Consisting of two quartz waveplates bonded together, Lyot Depolarizers are passive optical components that transform polarized or partially polarized light into non-polarized (unpolarized) light. The thickness ratio of the two waveplates is 2:1. They are positioned such that their optical axes are oriented 45° apart, creating various degrees of elliptically and linearly polarized light, and eliminating the polarization of the input beam.

Note: Lyot Depolarizers are not suitable for monochromatic light.

Lyot Depolarizers are designed for polychromatic light from 200 - 2300nm. Each Lyot Depolarizer features a minimum wavelength bandwidth of 50nm, which represents approximately 85% depolarization. A bandwidth of greater than 100nm is required for complete depolarization.

Technical Information

