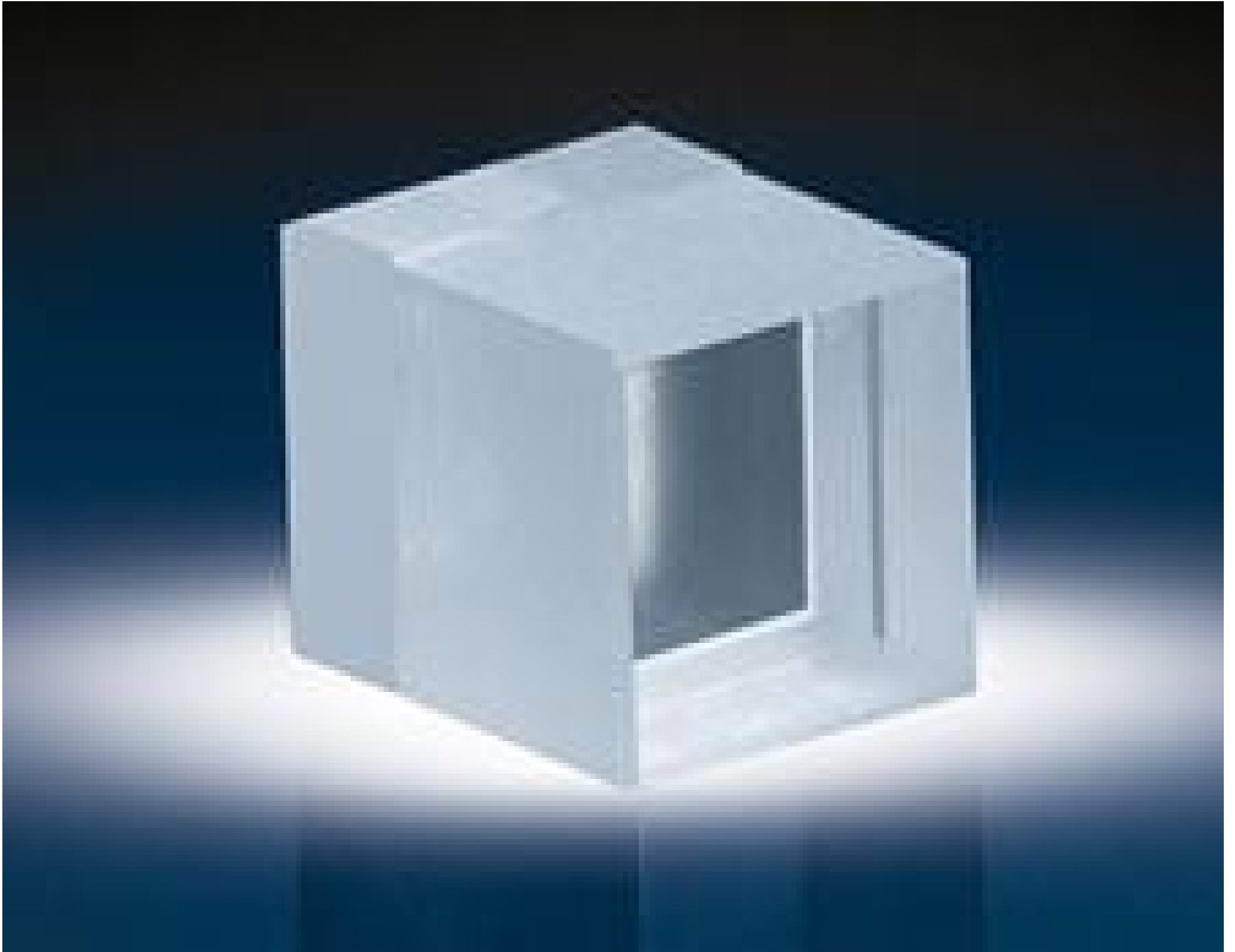


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10 x 10mm Aperture, Quartz Lyot Depolarizer



Stock #65-893 **3 In Stock**

- 1 + £584.⁰⁰

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Volume Pricing	
Qty 1-5	£584.00 each
Qty 6+	£472.00 each
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i Prices shown are exclusive of VAT/local taxes

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):

M10 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

