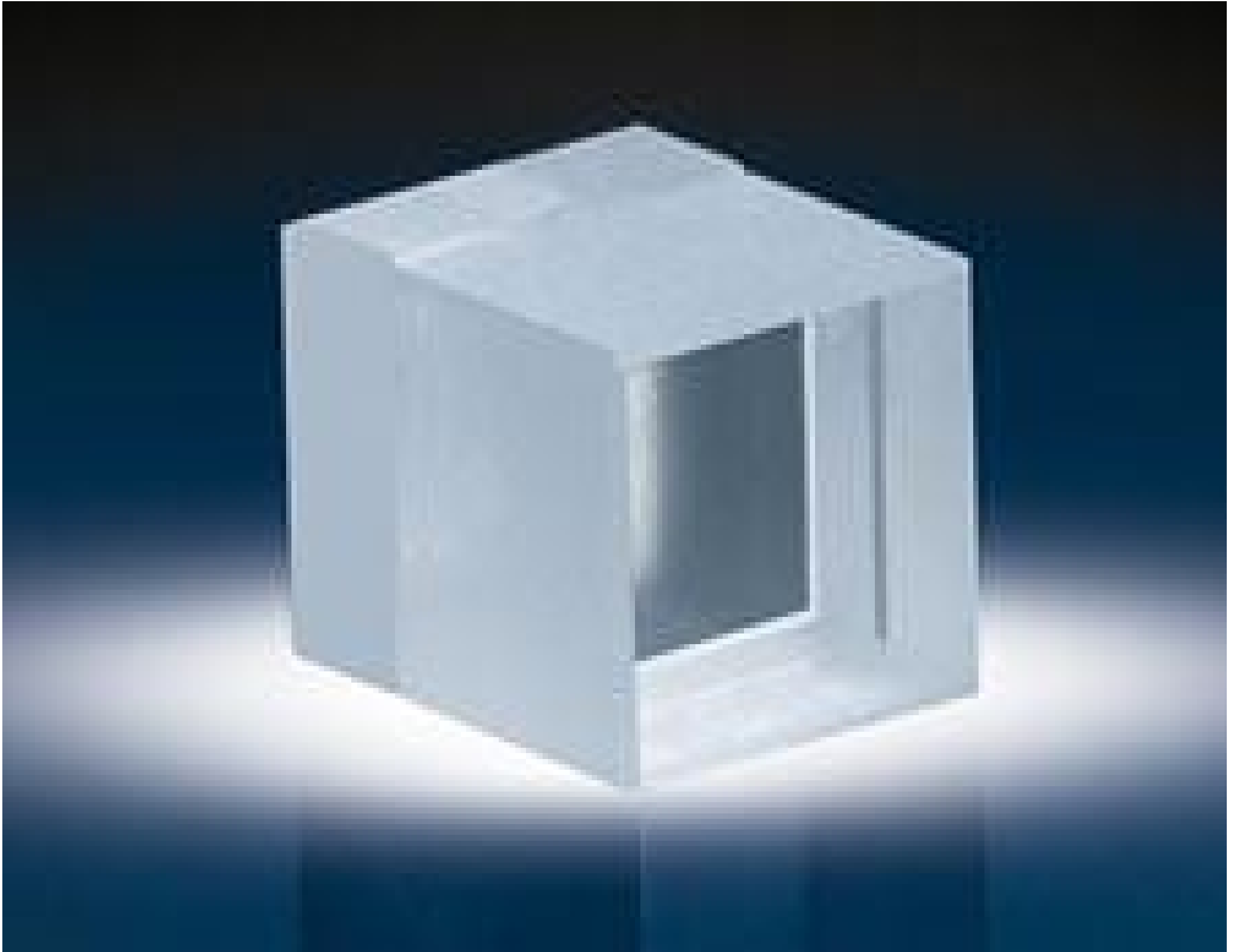


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10 x 10mm Aperture, Quartz Lyot Depolarizer



Stock #65-893 [CONTACT US](#)

1 MRP ₹73,650

 Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹73,650 each
Qty 6+	₹59,525 each
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General

Depolarizer **Type:**

Physical & Mechanical Properties

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

6.00 **Length (mm):**

Dimensional Tolerance (mm):

±0.2

Construction:

Crystalline

Parallelism (arcsec):

<20

Optical Properties

Substrate:

Crystal Quartz

Surface Quality:

20-10

Wavelength Range (nm):

200 - 2300

Surface Flatness (P-V):

λ/10

Regulatory Compliance

Certificate of Conformance:

[View](#)

Country of Origin:

China

Imported By:

Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

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

