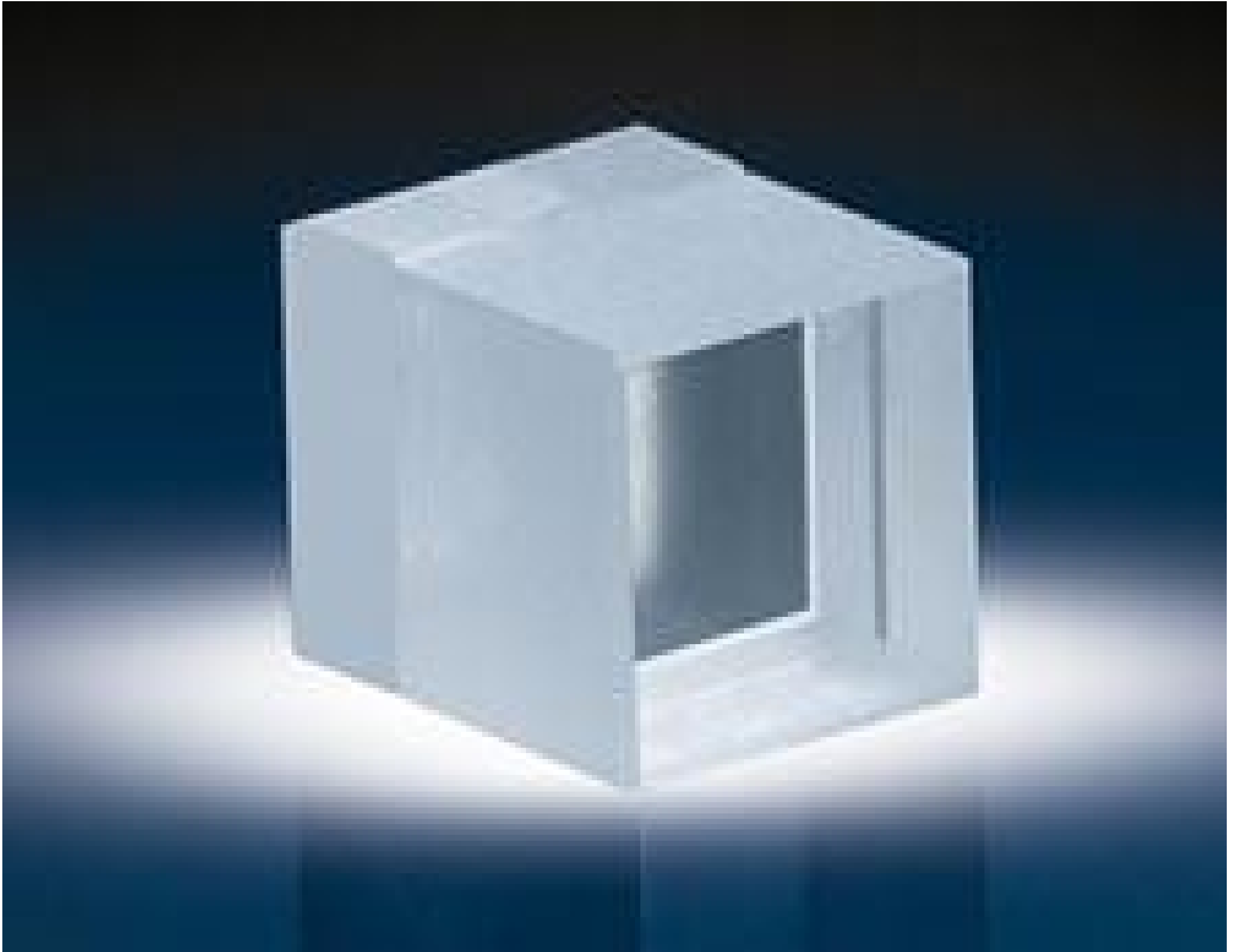


## 10 x 10mm Aperture, Quartz Lyot Depolarizer



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

S\$1,022<sup>00</sup>

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Volume Pricing	
Qty 1-5	S\$1,022.00 each
Qty 6+	S\$826.00 each
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### 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:**

**Parallelism (arcsec):**

<20

**Optical Properties**

**Substrate:**

Crystal Quartz

**Surface Quality:**

20-10

**Wavelength Range (nm):**

200 - 2300

**Surface Flatness (P-V):**

$\lambda/10$

**Regulatory Compliance**

**Certificate of Conformance:**

[View](#)

**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**

