

$\lambda/2$ 735-985nm, Polymer Achromatic Retarder



Stock #49-229 **1 In Stock**

- 1 + MRP ₹1,26,113

● Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹1,26,113 each
Qty 6+	₹1,11,988 each
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General

Achromatic Waveplate **Type:**

Physical & Mechanical Properties

10.16 **Clear Aperture CA (mm):**

25.40 **Diameter (mm):**

Thickness (mm):

6.35 ±0.508

Dimensional Tolerance (mm):

±0.127

Birefringent Polymer Stack

Construction:

Optical Properties

N-BK7

Substrate:

0.5

Reflection (%):

λ/2

Retardance:

40-20

Surface Quality:

λ/4 @ 632.8nm

Transmitted Wavefront, P-V:

λ/100

Retardance Tolerance:

1.00

Beam Deviation (arcmin):

735 - 985

Wavelength Range (nm):

500 W/cm²

Damage Threshold, By Design:

Threading & Mounting

6.35

Mount Thickness (mm):

Environmental & Durability Factors

-20 to +50

Operating Temperature (°C):

Regulatory Compliance

Compliant

RoHS 2015:

View

Certificate of Conformance:

Compliant

REACH 241:

United States

Country of Origin:

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
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Product Details

- Broad Spectral Range
- λ/100 Retardance Accuracy
- λ/4 and λ/2 Retardance
- High Damage Threshold of 500 W/cm²

Precision Achromatic Waveplates (Retarders) consist of a polymer stack layered between two precision BK7 windows, and are available in standard λ/4 and λ/2 options for common visible and NIR wavelengths. These waveplates (retarders) will experience less than 1% retardance change over a ±10° angle of incidence. Each Precision Achromatic Waveplates (Retarders) is mounted in a metal ring with the fast axis clearly marked.

Technical Information

$\lambda/2$ Precision Achromatic Retarder Performance

