

# λ/4 630-835nm, Polymer Achromatic Retarder



Stock **#49-233** 1 In Stock

-

1

+

₹89,138

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | ₹89,138 each                  |
| Qty 6+         | ₹79,173 each                  |
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General

Achromatic Waveplate

Type:

Physical & Mechanical Properties

10.16

Clear Aperture CA (mm):

25.40

Diameter (mm):

6.35 ±0.508

Thickness (mm):

|                                     |                                                       |
|-------------------------------------|-------------------------------------------------------|
| ±0.127                              | Dimensional Tolerance (mm):                           |
| Birefringent Polymer Stack          | Construction:                                         |
| Optical Properties                  |                                                       |
| N-BK7                               | Substrate: <input type="checkbox"/>                   |
| 0.5                                 | Reflection (%):                                       |
| λ/4                                 | Retardance:                                           |
| 40-20                               | Surface Quality:                                      |
| λ/4 @ 632.8nm                       | Transmitted Wavefront, P-V:                           |
| λ/100                               | Retardance Tolerance:                                 |
| 1.00                                | Beam Deviation (arcmin):                              |
| 630 - 835                           | Wavelength Range (nm):                                |
| 500 W/cm²                           | Damage Threshold, By Design: <input type="checkbox"/> |
| 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:                                    |
| Edmund Optics India Private Limited | Imported By:                                          |

## 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



