

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



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

⊖ 1 ⊕ £1,000<sup>00</sup>

**ADD TO CART**

### Volume Pricing

Qty 1-5	£1,000.00 each
Qty 6+	£888.00 each
Need More?	<a href="#">Request Quote</a>

**!** Prices shown are exclusive of VAT/local taxes

### Product Downloads

### 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:

0.5 Reflection (%):

$\lambda/2$  Retardance:

40-20 Surface Quality:

$\lambda/4$  @ 632.8nm Transmitted Wavefront, P-V:

$\lambda/100$  Retardance Tolerance:

1.00 Beam Deviation (arcmin):

735 - 985 Wavelength Range (nm):

500 W/cm<sup>2</sup> 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:

## Product Details

- Broad Spectral Range
- $\lambda/100$  Retardance Accuracy
- $\lambda/4$  and  $\lambda/2$  Retardance
- High Damage Threshold of 500 W/cm<sup>2</sup>

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

## Technical Information

