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$\lambda/2$ 630-835nm, Polymer Achromatic Retarder



Stock **#49-228** 1 In Stock

- 1 + £1,000⁰⁰

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Volume Pricing	
Qty 1-5	£1,000.00 each
Qty 6+	£888.00 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: ☐
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):
630 - 835	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:

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

