

λ /4 920-1240nm, Polymer Achromatic Retarder



Stock **#49-235** 1 In Stock

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+

€1.179³⁵

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Volume Pricing	
Qty 1-5	€1.179,35 each
Qty 6+	€1.047,51 each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

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/4	Retardance:
40-20	Surface Quality:
λ/4 @ 632.8nm	Transmitted Wavefront, P-V:
λ/100	Retardance Tolerance:
1.00	Beam Deviation (arcmin):
920 - 1240	Wavelength Range (nm):
500 W/cm ²	Damage Threshold, By Design: ☐

Threading & Mounting

6.35	Mount Thickness (mm):
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Environmental & Durability Factors

-20 to +50	Operating Temperature (°C):
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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

