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λ/4 630-835nm, Polymer Achromatic Retarder

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

- 1 + **C$1,750.00**

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Volume Pricing	
Qty 1-5	**C$1,750.00** each
Qty 6+	**C$1,554.00** each
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General

Type:
Achromatic Waveplate

Physical & Mechanical Properties

Clear Aperture CA (mm):
10.16

Diameter (mm):
25.40

Thickness (mm):
6.35 ±0.508

Dimensional Tolerance (mm):
±0.127

Construction:
Birefringent Polymer Stack

Optical Properties

Substrate:
N-BK7

Reflection (%):
0.5

Retardance:
λ/4

Surface Quality:
40-20

Transmitted Wavefront, P-V:
λ/4 @ 632.8nm

Retardance Tolerance:
λ/100

Beam Deviation (arcmin):
1.00

Wavelength Range (nm):
630 - 835

Damage Threshold, By Design:
500 W/cm^2

Threading & Mounting

Mount Thickness (mm):
6.35

Environmental & Durability Factors

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

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

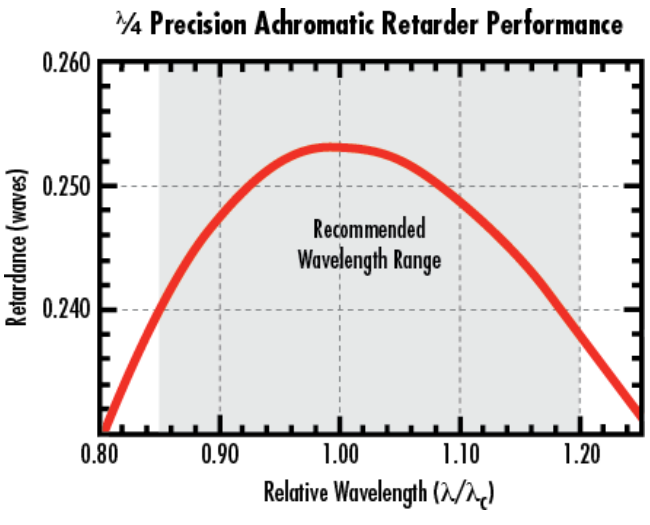
REACH 241:
Compliant

Product Details

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

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



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