

[See all 7 Products in Family](#)

$\lambda/2$ 485-630nm, Polymer Achromatic Retarder



Stock **#49-227** **2 In Stock**

-

1

+

€1.250⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	€1.250,00 each
Qty 6+	€1.110,00 each
Need More?	Request Quote

i 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 (%):
λ/2	Retardance:
40-20	Surface Quality:
λ/4 @ 632.8nm	Transmitted Wavefront, P-V:
λ/100	Retardance Tolerance:
1.00	Beam Deviation (arcmin):
485 - 630	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

