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λ/4 485-630nm, Polymer Achromatic Retarder

Stock **#49-232** **1 In Stock**

- 1 +

MRP ₹1,26,113

Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	**₹1,26,113** each
Qty 6+	**₹1,11,988** 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):
485 - 630

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

Country of Origin:
United States

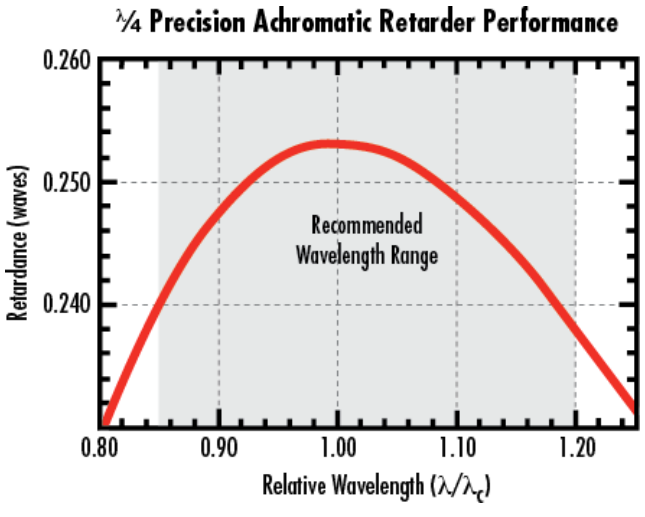
Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

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


¼ Precision Achromatic Retarder Performance
0.260
0.250
0.240
Retardance (waves)
Recommended
Wavelength Range
0.80
0.90
1.00
1.10
1.20
Relative Wavelength (λ/λc)

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