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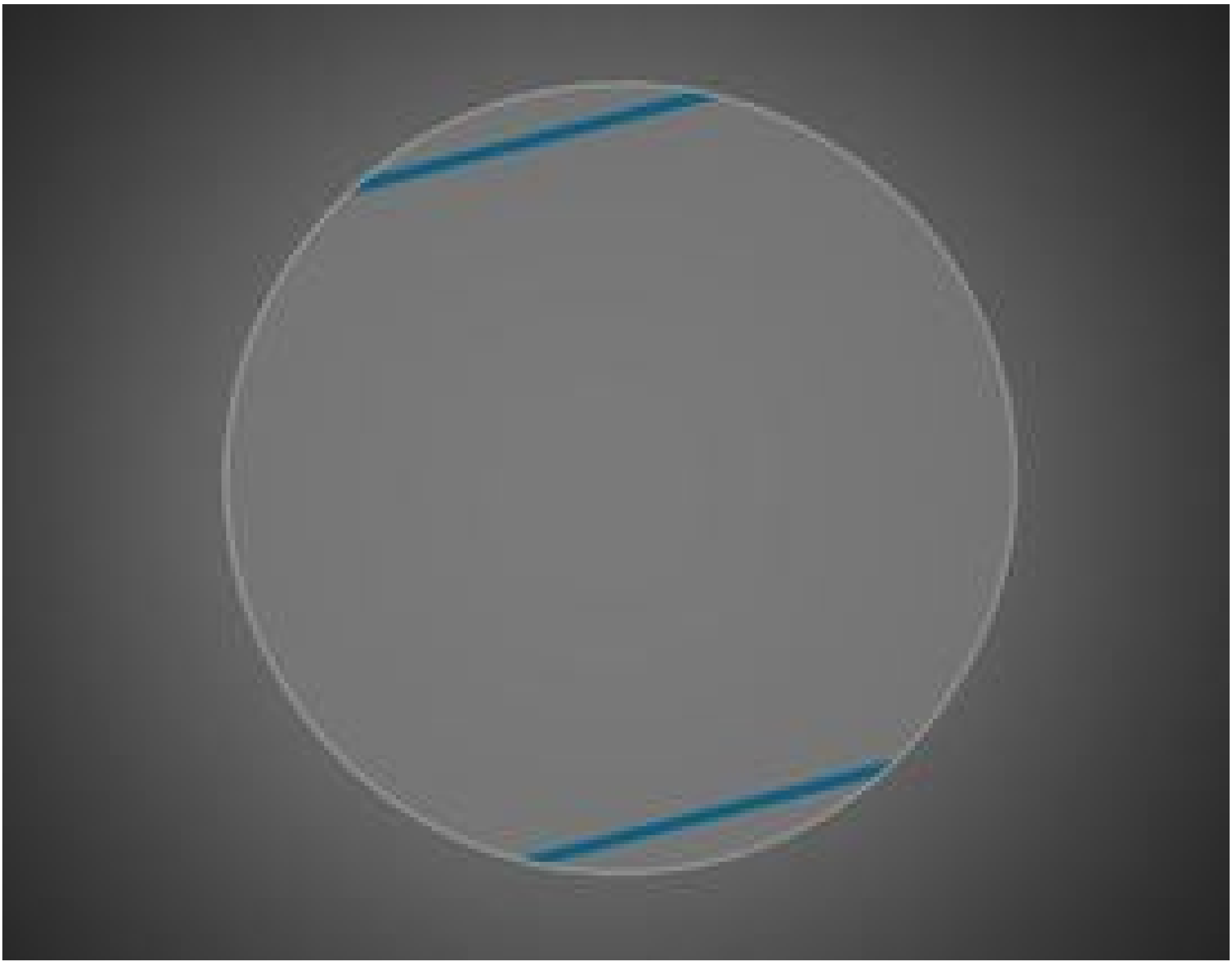
Film-Format Achromatic Polymer Retarder λ/4 25.4mm Dia AR



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Qty 1-10	**C$1,029.00** each
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General

Note:
Slow axis marked with blue dot on part and stripe on protective film

Physical & Mechanical Properties

Diameter (mm):
25.40 +/- 0.15

Thickness (mm):
0.55 Nominal

Optical Properties

Angle of Incidence (°):
±10

Substrate:
Polymer Stack

Retardance:
λ/4 ± λ/100

Surface Quality:
60-40

Coating Specification:
BBAR: R<= 0.75% @ 700-1100nm (per surface)

Wavelength Range (nm):
700 - 1100

Damage Threshold, By Design:
500 Watt/cm^2 CW, .3 J/cm^2 10 nsec pulses @ 532nm, 2 J/cm^2 20 nsec pulses @ 1064nm typical

Coating Type:
Anti-Reflection (both sides)

Environmental & Durability Factors

Operating Temperature (°C):
-20 to +40

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 250:
Compliant

Product Details

- Ultra-Thin ≤0.55mm Substrates for OEM Integration
- Options For 700-1100nm and 700-1550nm
- Wide Acceptance Angle Tolerance of ±10°

Ultra-Thin NIR Achromatic Polymer Retarders feature an optically fused and adhesive-free construction, allowing for high temperature resistance, high transmission, and an ultra-thin format. These retarders are designed with a multi-layer polymer stack and feature a 0.35mm thickness for λ/2 retarders and 0.55mm thickness for λ/4 retarders. Available either uncoated or with an AR-Coating, these retarders offer a retardance tolerance of λ/100 in the NIR range at a wide range of angles of incidence. Uncoated Ultra-Thin NIR Achromatic Polymer Retarders offer an increased retardance range of 700-1550nm while the coated options feature improved transmission from 700-1100nm. These waveplates are ideal for NIR imaging and analytical instrumentation, as well as OEM integration and other applications requiring a small form factor.

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