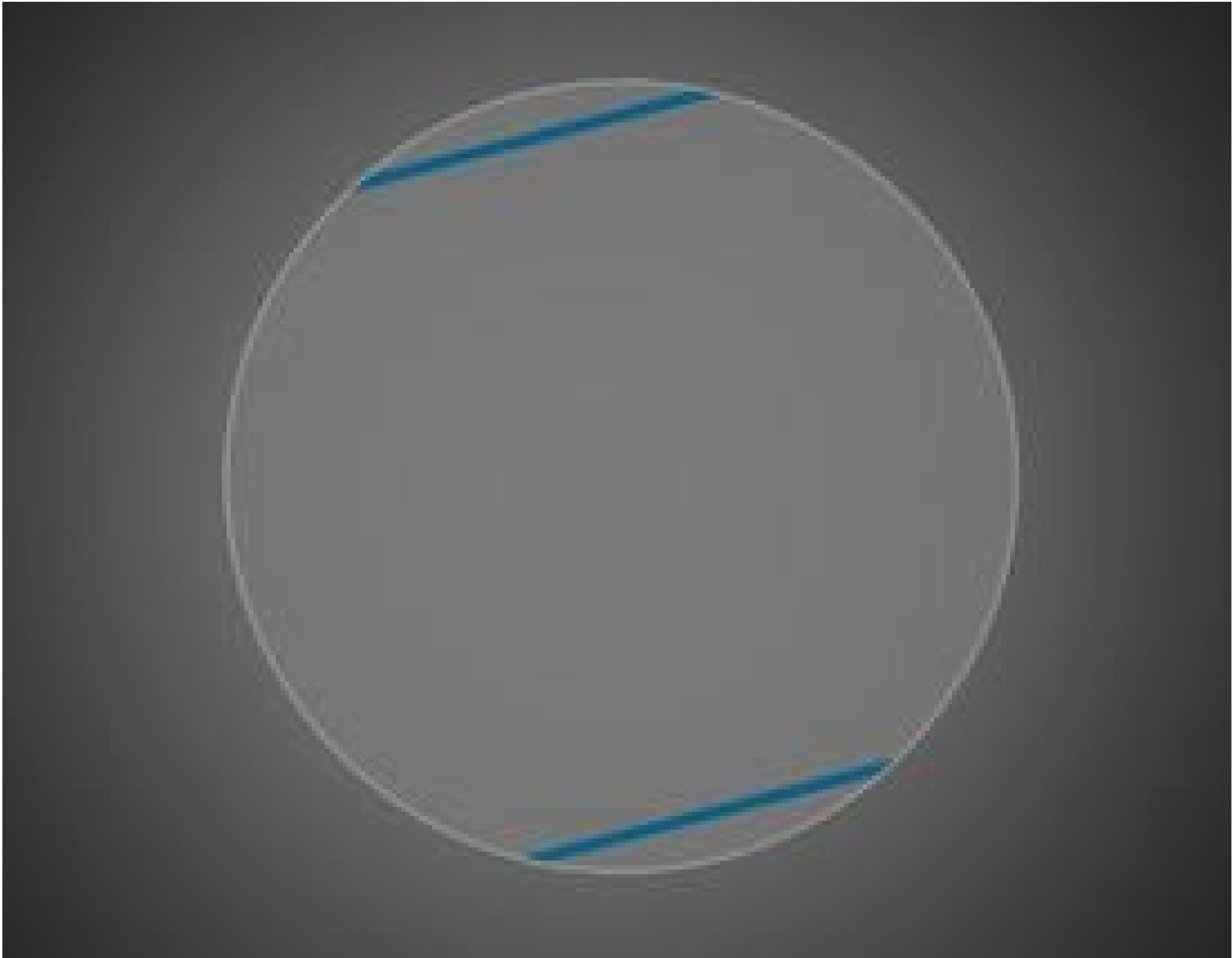


Film-Format Achromatic Polymer Retarder $\lambda/4$ 25.4mm Dia Uncoated



Stock **#70-709** 5 In Stock

-

1

+

S\$945^{.00}

ADD TO CART

Volume Pricing	
Qty 1-10	S\$945.00 each
Qty 11-25	S\$714.00 each
Qty 26+	S\$662.20 each
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SPECIFICATIONS

General

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

Physical & Mechanical Properties

25.40 +/- 0.15	Diameter (mm):
0.55 Nominal	Thickness (mm):
Optical Properties	
±10	Angle of Incidence (°):
Polymer Stack	Substrate: ☐
λ/4 ± λ/100	Retardance:
60-40	Surface Quality:
700 - 1550	Wavelength Range (nm):
Damage Threshold, By Design: ☐ 500 Watt/cm² CW, .3 J/cm² 10 nsec pulses @ 532nm, 2 J/cm² 20 nsec pulses @ 1064nm typical	
Uncoated	Coating Type:
Environmental & Durability Factors	
-20 to +40	Operating Temperature (°C):
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 250:

PRODUCT DETAILS

- Ultra-Thin ≤0.55mm Substrates for OEM Integration
 - Options For 600-1100nm 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.