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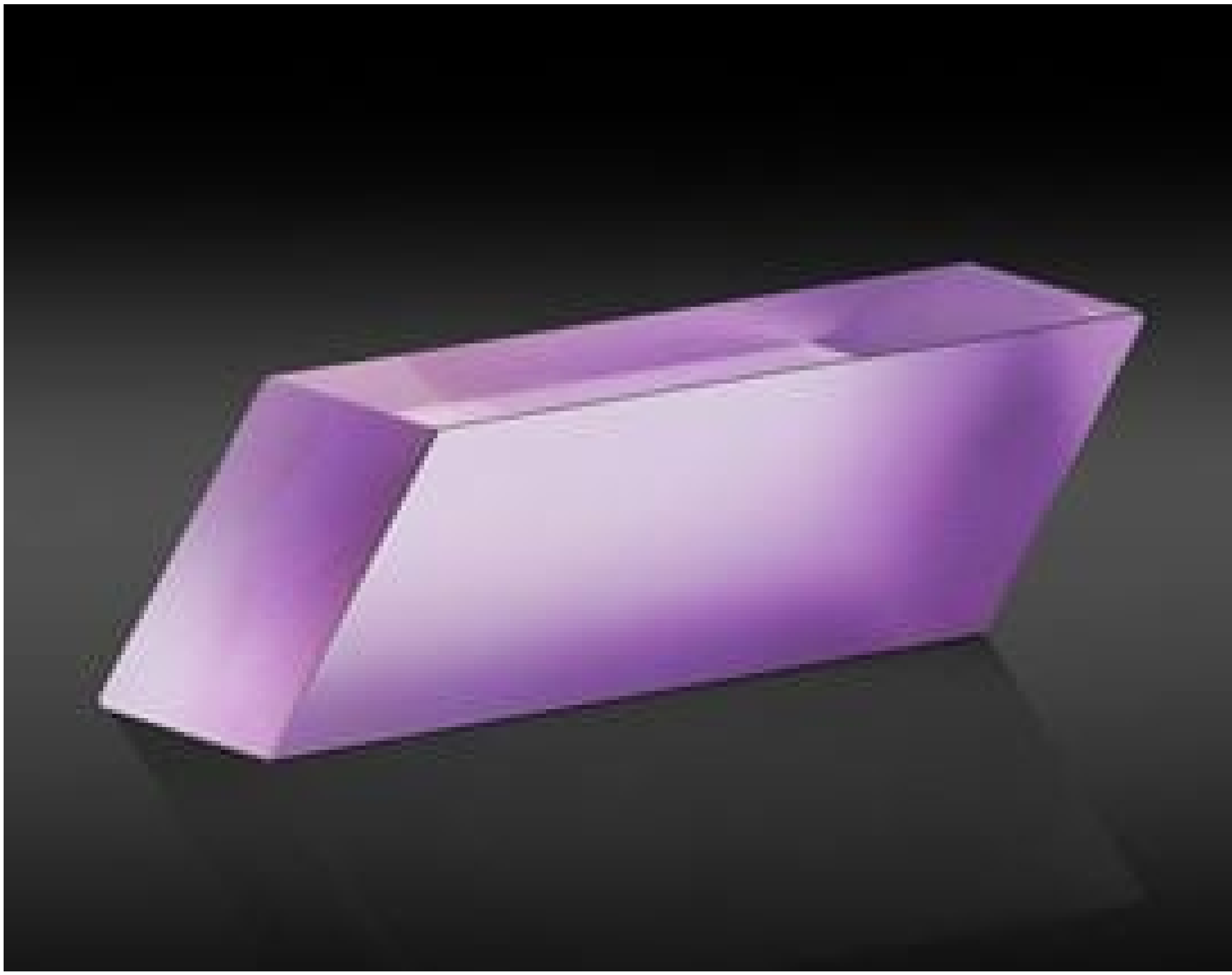
TECHSPEC® 12.7mm VIS 0° λ/4 Fresnel Rhomb Retarder



Stock **#36-140** **20+ In Stock**

- 1 + **A$508.80**

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Volume Pricing	
Qty 1-5	**A$508.80** each
Qty 6+	**A$472.00** each
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General

Type:

Fresnel Retarder

Physical & Mechanical Properties

Clear Aperture CA (mm):

9.45 x 9.45

Dimensional Tolerance (mm):

±0.10

Bevel:

Protective as needed

Width (mm):
12.70

Optical Properties

Coating:
VIS 0° (425-675nm)

Design Wavelength DWL (nm):
532

Substrate:
N-BK7

Retardance:
λ/4

Surface Quality:
20-10

Coating Specification:
R_{avg} ≤0.4% @ 425 - 675nm

Wavelength Range (nm):
425 - 675

Entrance and Exit Surface (mm):
12.7

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 235:
Compliant

Product Details

- Broadband Performance with <2% Retardance Variation
- 12.7mm and 25.4mm Options Available
- λ/4 Retardance

TECHSPEC® Fresnel Rhomb Retarders are available with design wavelengths of 532nm and 1064nm. By utilizing a specific angle, Fresnel rhomb retarders impart a retardance with each internal reflection of the light, totaling λ/4. Each design is paired with either VIS 0° or NIR II coatings to provide efficient transmission across a broad range of wavelengths. These TECHSPEC Fresnel Rhomb Retarders deliver less than 2% retardance variation across the specified wavelength range and are optimized for use in diode and fiber applications.

Coating Curves

Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our **custom manufacturing capabilities** or submit an inquiry **here.**