

TECHSPEC® 12.5mm Minor Axis Uncoated, Fused Silica Brewster Window



Stock #65-824 **14 In Stock**

A\$171²⁰

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Volume Pricing	
Qty 1-10	A\$171.20 each
Qty 11+	A\$153.60 each
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Product Downloads

General

Linear Polarizer **Type:**

Physical & Mechanical Properties

11.25 x 19.90 **Clear Aperture CA (mm):**

22.11 **Major Axis (mm):**

12.50 +0.00/-0.25 **Minor Axis (mm):**

2.00 ±0.20	Thickness (mm):
Protective as needed	Bevel:
Brewster Window	Construction:
≥90	Clear Aperture (%):
Fine Ground	Edges:
≤10	Parallelism (arcsec):
0.16	Poisson's Ratio:
73	Young's Modulus (GPa):
522.00	Knoop Hardness (kg/mm²):

Optical Properties

Uncoated	Coating:
632.8	Design Wavelength DWL (nm):
Fused Silica (Corning 7980)	Substrate: <input type="checkbox"/>
1.458	Index of Refraction (n_d):
10-5	Surface Quality:
λ/10	Transmitted Wavefront, P-V:
67.8	Abbe Number (v_d):
200 - 2200	Wavelength Range (nm):

Material Properties

2.20	Density (g/cm³):
0.52 (+5 to +35°C) 0.57 (0 to +200°C) 0.48 (-100 to +200°C)	Coefficient of Thermal Expansion CTE (10⁻⁶/°C):

Regulatory Compliance

View	Certificate of Conformance:
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Need different specs or modifications?

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:

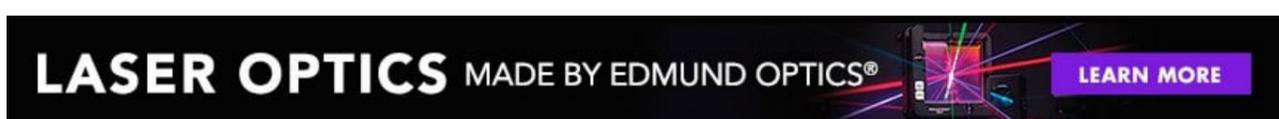
- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

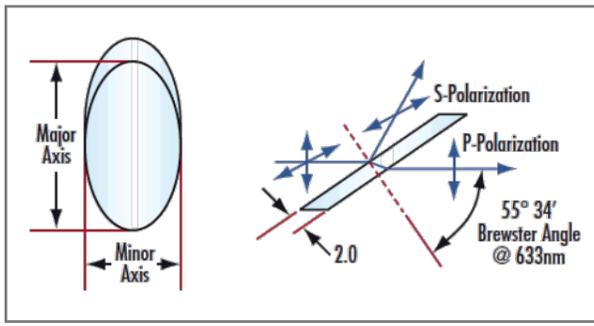
Product Details

- Reduce Loss of P-Polarized Light
- Circular Profile When Oriented at 55.57°
- Great for Use in Laser Cavities

TECHSPEC® Brewster Windows are designed to present a circular profile when oriented at Brewster's angle (55.57°). TECHSPEC® Brewster Windows feature laser grade surface quality and parallelism, in addition to limiting transmitted wavefront distortion to λ/10. When used at 55.57°, these windows minimize the loss of P-polarized light, ideal for use within laser cavities and for producing linearly polarized light.



Technical Information



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