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



Stock #65-824 **20+ In Stock**

- 1 + C\$149.<sup>80</sup>

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Volume Pricing	
Qty 1-10	C\$149.80 each
Qty 11+	C\$134.40 each
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**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	<b>Thickness (mm):</b>
Protective as needed	<b>Bevel:</b>
Brewster Window	<b>Construction:</b>
≥90	<b>Clear Aperture (%):</b>
Fine Ground	<b>Edges:</b>
≤10	<b>Parallelism (arcsec):</b>
0.16	<b>Poisson's Ratio:</b>
73	<b>Young's Modulus (GPa):</b>
522.00	<b>Knoop Hardness (kg/mm<sup>2</sup>):</b>

## Optical Properties

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

## Material Properties

2.20	<b>Density (g/cm<sup>3</sup>):</b>
0.52 (+5 to +35°C) 0.57 (0 to +200°C) 0.48 (-100 to +200°C)	<b>Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):</b>

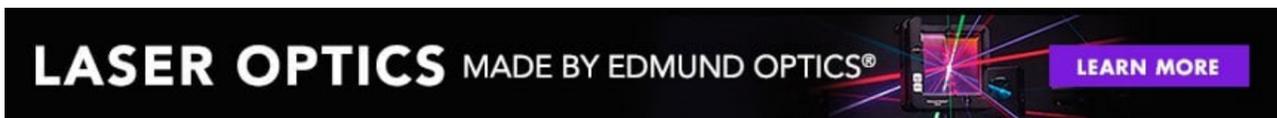
## Regulatory Compliance

<a href="#">View</a>	<b>Certificate of Conformance:</b>
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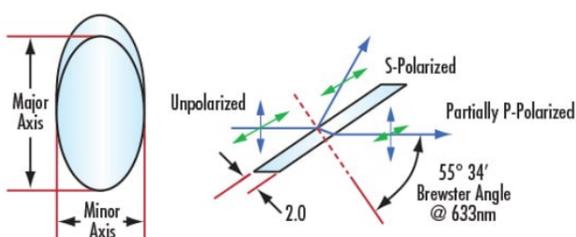
## Product Details

- 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



## 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](#).

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