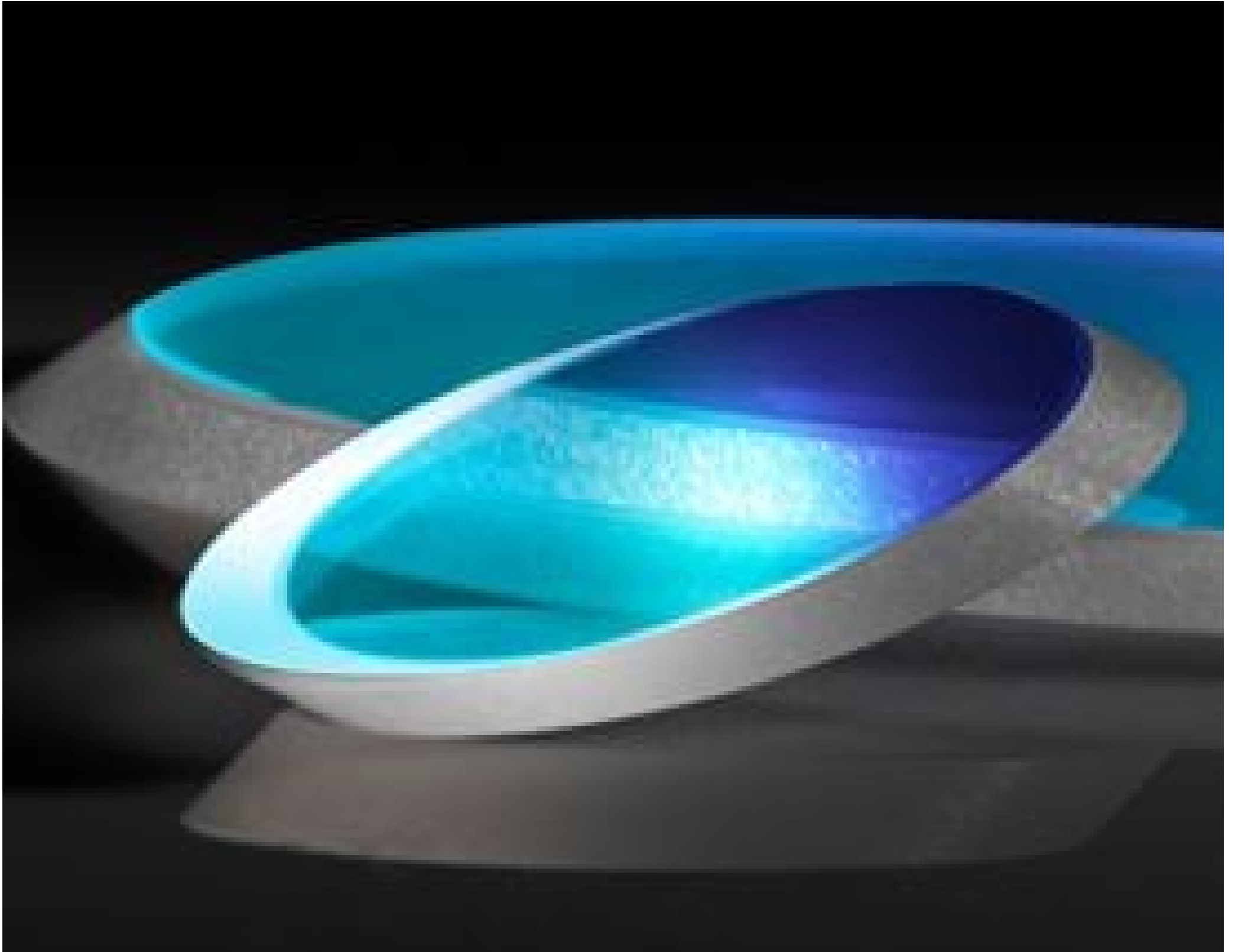


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**TECHSPEC® 12.5mm Minor Axis Uncoated, Fused Silica Brewster Window**



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

- 1 + MRP ₹10,796

**i** Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1-10	₹10,796 each
Qty 11+	₹9,685 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Linear Polarizer **Type:**  
Glass **Type of Window:**

**Physical & Mechanical Properties**

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

22.11

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/mm<sup>2</sup>):**

### Optical Properties

Uncoated **Coating:**

632.8 **Design Wavelength DWL (nm):**

**Fused Silica** (Corning 7980) **Substrate:**

1.458 **Index of Refraction (n<sub>d</sub>):**

10-5 **Surface Quality:**

λ/10 **Transmitted Wavefront, P-V:**

67.8 **Abbe Number (v<sub>d</sub>):**

200 - 2200 **Wavelength Range (nm):**

### Material Properties

2.20 **Density (g/cm<sup>3</sup>):**

**Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):**  
0.52 (+5 to +35°C)  
0.57 (0 to +200°C)  
0.48 (-100 to +200°C)

### Regulatory Compliance

[View](#) **Certificate of Conformance:**

Singapore **Country of Origin:**

**Imported By:**  
Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
Phone: +91- 80-6845 0000

## 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

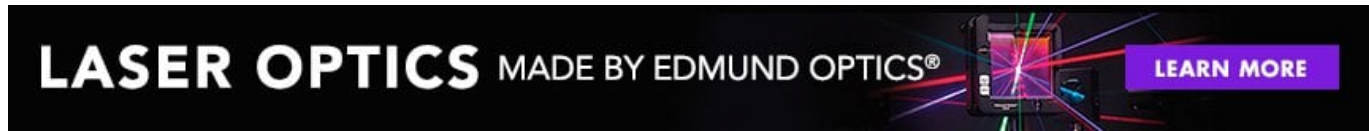
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## 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  $\lambda/10$ . 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

