

TECHSPEC[®] 10mm Minor Axis Uncoated, Fused Silica Brewster Window



Stock #65-823 20+ In Stock

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1

+

S\$137^{.90}

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Volume Pricing	
Qty 1-10	S\$137.90 each
Qty 11+	S\$123.90 each
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General

Type:
Linear Polarizer

Physical & Mechanical Properties

Clear Aperture CA (mm):
9.00 x 15.92

Major Axis (mm):
17.69

Minor Axis (mm):
10.00 +0.00/-0.25

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: ☐
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:

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.

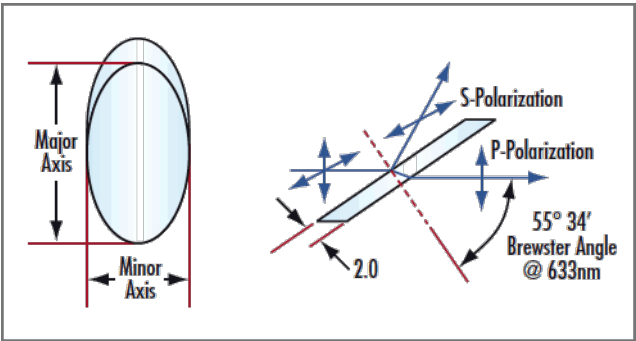
LASER OPTICS

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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

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