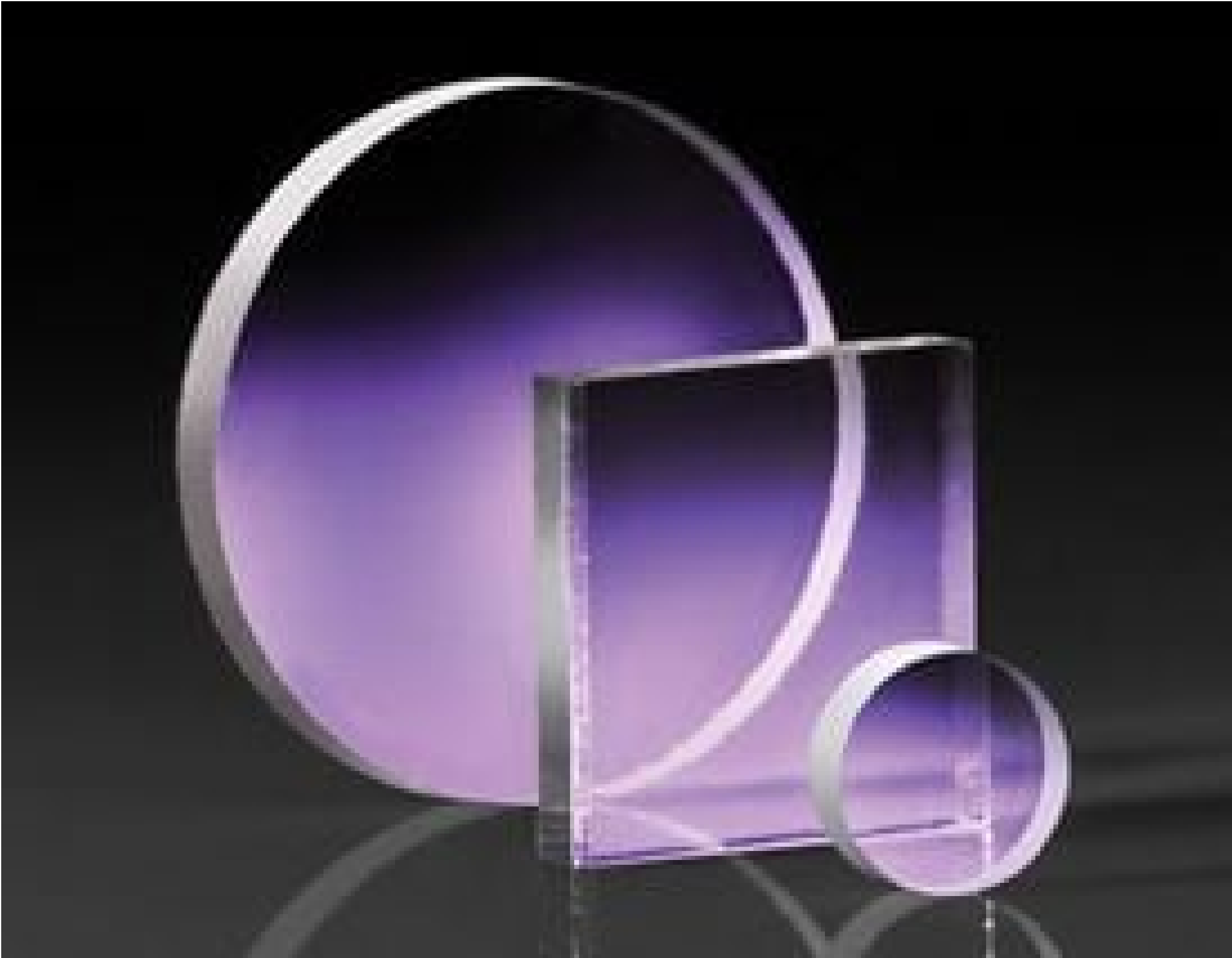


TECHSPEC®

100 x 100 x 6.50mm Thickness, NIR Coated, BOROFLOAT® Window

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TECHSPEC BOROFLOAT Borosilicate Windows

Stock #12-196 

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Abbe Number (v<sub>d</sub>):  
65.41

Bevel:  
Protective as needed

Clear Aperture (%):  
≥90

|                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|
| <b>Clear Aperture CA (mm):</b><br>90.00 x 90.00                                                                            |
| <b>Dimensions (mm):</b><br>100.00 x 100.00                                                                                 |
| <b>Thickness (mm):</b><br>6.50 ±0.2                                                                                        |
| <b>Coating:</b><br>NIR (700-1150nm)                                                                                        |
| <b>Coating Specification:</b><br>R <sub>avg</sub> <1.0% @ 700 - 1150nm                                                     |
| <b>Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):</b><br>3.25 (+20 to +300°C)                                  |
| <b>Density (g/cm³):</b><br>2.23                                                                                            |
| <b>Edges:</b><br>Seamed                                                                                                    |
| <b>Index of Refraction n<sub>d</sub>:</b><br>1.472                                                                         |
| <b>Knoop Hardness (kg/mm²):</b><br>480                                                                                     |
| <b>Operating Temperature (°C):</b><br>1 hour @ 500; >100 hours @ 450                                                       |
| <b>Poisson's Ratio:</b><br>0.2                                                                                             |
| <b>Resistance to Temperature Difference (K):</b><br>Short Term, 1 hr: 110K<br>1 - 100 hrs: 90K<br>Long Term, >100 hrs: 80K |
| <b>Substrate:</b><br><a href="#">BOROFLOAT®</a>                                                                            |
| <b>Surface Flatness (P-V):</b><br>4 - 6λ                                                                                   |
| <b>Surface Quality:</b><br>80-50                                                                                           |
| <b>Thermal Shock (K):</b><br>Up to 4mm Thick: 175K<br>4 - 6mm Thick: 160K<br>6 - 15mm Thick: 150K                          |
| <b>Transformation Temperature (°C):</b><br>525                                                                             |
| <b>Transmission (%):</b><br>≥97                                                                                            |
| <b>Type:</b><br>Protective Window                                                                                          |
| <b>Wavelength Range (nm):</b><br>700 - 1150                                                                                |
| <b>Young's Modulus (GPa):</b><br>64                                                                                        |
| <b>Length (mm):</b><br>100.00                                                                                              |
| <b>Width (mm):</b><br>100.00                                                                                               |

## Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |
| <b>Reach 233:</b><br><a href="#">Compliant</a>             |