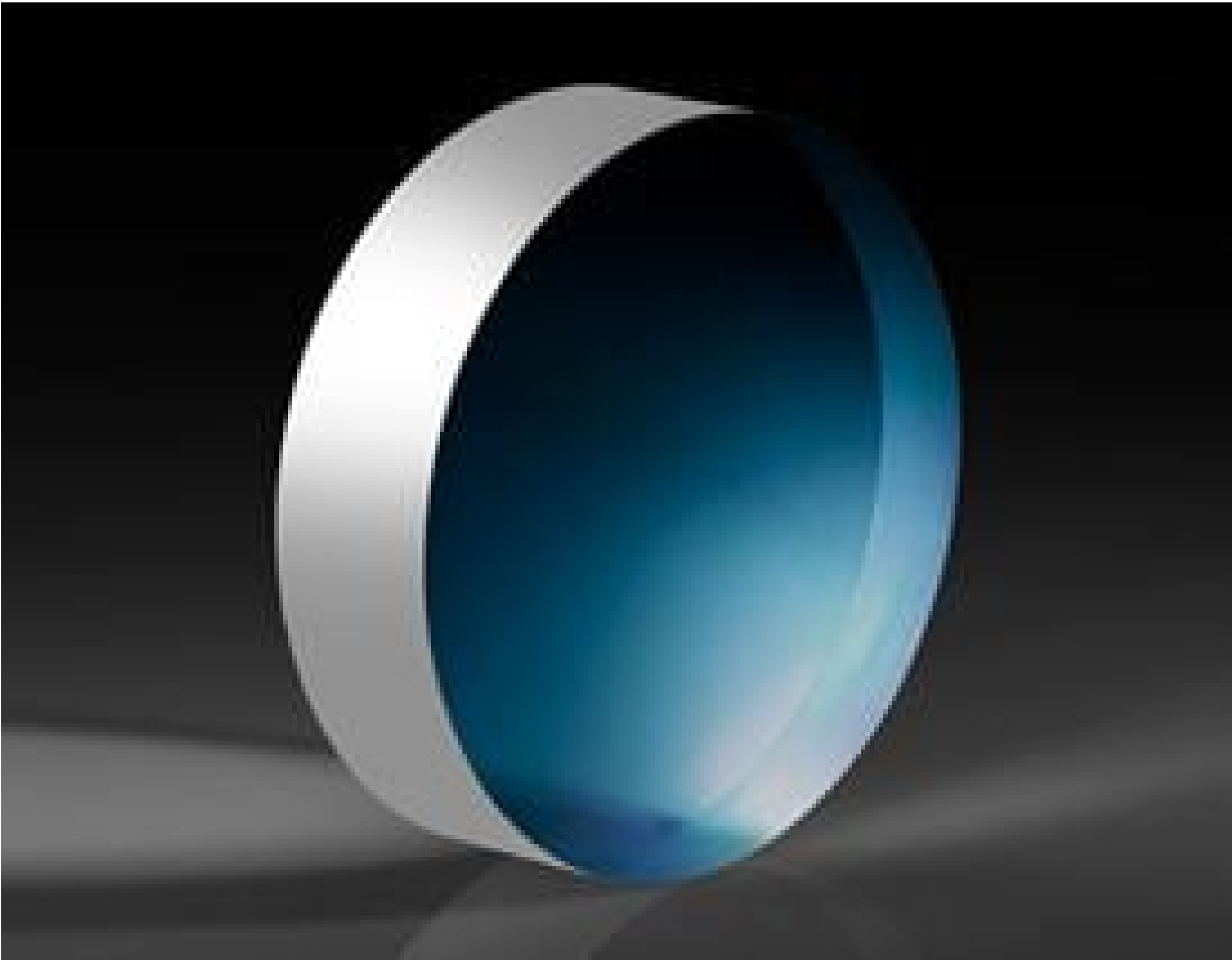


TECHSPEC®

## 20mm Dia. 2mm Thick NIR II Coated, 1λ Fused Silica Window



Stock **#39-298** ☐ In Stock

-

1

+

€88,50

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

Bevel:  
Protective as needed

Clear Aperture (%):  
90

|                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Clear Aperture CA (mm):</b><br>18.00                                                                                                                 |
| <b>Diameter (mm):</b><br>20.00 +0.00/-0.20                                                                                                              |
| <b>Thickness (mm):</b><br>2.00 ±0.38                                                                                                                    |
| <b>Coating:</b><br>NIR II (750-1550nm)                                                                                                                  |
| <b>Coating Specification:</b><br>R <sub>abs</sub> ≤1.5% @ 750 - 800nm<br>R <sub>abs</sub> ≤1.0% @ 800 - 1550nm<br>R <sub>avg</sub> ≤0.7% @ 750 - 1550nm |
| <b>Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):</b><br>0.52 (+5 to +35°C)<br>0.57 (0 to +200°C)<br>0.48 (-100 to +200°C)                  |
| <b>Density (g/cm³):</b><br>2.20                                                                                                                         |
| <b>Edges:</b><br>Fine Ground                                                                                                                            |
| <b>Index of Refraction n<sub>d</sub>:</b><br>1.458                                                                                                      |
| <b>Knoop Hardness (kg/mm²):</b><br>522                                                                                                                  |
| <b>Parallelism (arcmin):</b><br><5                                                                                                                      |
| <b>Poisson's Ratio:</b><br>0.16                                                                                                                         |
| <b>Substrate:</b><br><a href="#">Fused Silica</a> (Corning 7980)                                                                                        |
| <b>Surface Flatness (P-V):</b><br>1λ                                                                                                                    |
| <b>Surface Quality:</b><br>60-40                                                                                                                        |
| <b>Type:</b><br>Protective Window                                                                                                                       |
| <b>Wavelength Range (nm):</b><br>750 - 1550                                                                                                             |
| <b>Young's Modulus (GPa):</b><br>73                                                                                                                     |
| <b>Damage Threshold, By Design:</b> <input type="checkbox"/><br>8 J/cm² @ 1064nm, 10ns                                                                  |

## Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |
| <b>Reach 235:</b><br><a href="#">Compliant</a>             |