

**TECHSPEC® 50mm Dia., 5mm Thick, VIS-NIR Coated λ/10 Fused Silica Window**



Stock **#84-458** 3-4 DAYS

- 1 + **€262,50**

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| Qty 1-5 |
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|---------------------------------------------|
| <b>Abbe Number (v<sub>d</sub>):</b><br>67.8 |
| <b>Bevel:</b><br>Protective as needed       |
| <b>Clear Aperture (%):</b><br>80            |

|                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Clear Aperture CA (mm):</b><br>40.00                                                                                                             |
| <b>Diameter (mm):</b><br>50.00 +0.00/-0.20                                                                                                          |
| <b>Thickness (mm):</b><br>5.00 ±0.10                                                                                                                |
| <b>Coating:</b><br>VIS-NIR (400-1000nm)                                                                                                             |
| <b>Coating Specification:</b><br>R <sub>abs</sub> ≤0.25% @ 880nm<br>R <sub>avg</sub> ≤1.25% @ 400 - 870nm<br>R <sub>avg</sub> ≤1.25% @ 890 - 1000nm |
| <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 (arcsec):</b><br><5                                                                                                                  |
| <b>Poisson's Ratio:</b><br>0.16                                                                                                                     |
| <b>Substrate:</b><br><a href="#">Fused Silica</a> (Corning 7980)                                                                                    |
| <b>Surface Quality:</b><br>20-10                                                                                                                    |
| <b>Transmitted Wavefront, P-V:</b><br>λ/10                                                                                                          |
| <b>Type:</b><br>Protective Window                                                                                                                   |
| <b>Wavelength Range (nm):</b><br>400 - 1000                                                                                                         |
| <b>Young's Modulus (GPa):</b><br>73                                                                                                                 |
| <b>Damage Threshold, Reference:</b> <input type="checkbox"/><br>5 J/cm² @ 532nm, 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>             |