

**TECHSPEC® 50mm Dia., 2mm Thick, NIR I Coated λ/10 Fused Silica Window**



Stock **#36-942** 3-4 DAYS

⊖ 1 ⊕ **€257,50**

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|-------------------------------|
| Qty 1-5                       |
| €257,50                       |
| Qty 6+                        |
| €206,00                       |
| Volume Pricing                |
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ⓘ Prices shown are exclusive of VAT/local taxes

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

**Bevel:**  
Protective as needed

**Clear Aperture (%):**  
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>2.00 ±0.10                                                                                                   |
| <b>Coating:</b><br>NIR I (600-1050nm)                                                                                                  |
| <b>Coating Specification:</b><br>R <sub>avg</sub> ≤0.5% @ 600 - 1050nm                                                                 |
| <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>600 - 1050                                                                                            |
| <b>Young's Modulus (GPa):</b><br>73                                                                                                    |
| <b>Damage Threshold, Reference:</b> <input type="checkbox"/><br>7 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>             |