

**TECHSPEC® 50mm Dia., 6mm Thick, NIR I Coated λ/4 N-BK7 Window**



Stock **#37-020** 3-4 DAYS

- 1 + **€122,00**

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| Qty 1-5 |
| €122,00 |

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| Qty 6+ |
| €97,50 |

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**Abbe Number (v<sub>d</sub>):**  
64.17

**Bevel:**  
Protective as needed

**Clear Aperture (%):**  
90

|                                                                                                                |
|----------------------------------------------------------------------------------------------------------------|
| <b>Clear Aperture CA (mm):</b><br>45.00                                                                        |
| <b>Diameter (mm):</b><br>50.00 +0.0/-0.25                                                                      |
| <b>Thickness (mm):</b><br>6.00 ±0.20                                                                           |
| <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>7.1 (-30 to +70°C)<br>8.3 (+20 to +300°C) |
| <b>Density (g/cm³):</b><br>2.51                                                                                |
| <b>Edges:</b><br>Fine Ground                                                                                   |
| <b>Index of Refraction n<sub>d</sub>:</b><br>1.516                                                             |
| <b>Knoop Hardness (kg/mm²):</b><br>610                                                                         |
| <b>Parallelism (arcmin):</b><br><1                                                                             |
| <b>Poisson's Ratio:</b><br>0.206                                                                               |
| <b>Substrate:</b><br><a href="#">N-BK7</a>                                                                     |
| <b>Surface Flatness (P-V):</b><br>λ/4                                                                          |
| <b>Surface Quality:</b><br>60-40                                                                               |
| <b>Type:</b><br>Protective Window                                                                              |
| <b>Wavelength Range (nm):</b><br>600 - 1050                                                                    |
| <b>Young's Modulus (GPa):</b><br>82                                                                            |
| <b>Damage Threshold, By Design:</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>             |