

**TECHSPEC®** 25mm Dia., 2.3mm Thick, NIR II AR Coated Sapphire Window



Stock **#36-576** ☐ In Stock

-

1

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**C\$168.70**

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**Abbe Number ( $v_d$ ):**  
72.24

**Axis Orientation:**  
Random

**Bevel:**  
Protective as needed

**Birefringence ( $n_o$ - $n_e$ ):**

|                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0.008 for Visible Light Orthogonal to Optical Axis                                                                                                       |
| <b>Clear Aperture (%)</b> :<br>≥90                                                                                                                       |
| <b>Clear Aperture CA (mm)</b> :<br>22.50                                                                                                                 |
| <b>Diameter (mm)</b> :<br>25.00 ±0.25                                                                                                                    |
| <b>Thickness (mm)</b> :<br>2.30 ±0.10                                                                                                                    |
| <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>8.8                                                                                |
| <b>Density (g/cm³)</b> :<br>3.97                                                                                                                         |
| <b>Edges</b> :<br>Fine Ground                                                                                                                            |
| <b>Index of Refraction n<sub>d</sub></b> :<br>1.77                                                                                                       |
| <b>Knoop Hardness (kg/mm²)</b> :<br>1900                                                                                                                 |
| <b>Parallelism (arcmin)</b> :<br>≤3.5                                                                                                                    |
| <b>Poisson's Ratio</b> :<br>0.27                                                                                                                         |
| <b>Substrate</b> :<br>Sapphire (Al <sub>2</sub> O <sub>3</sub> )                                                                                         |
| <b>Surface Flatness (P-V)</b> :<br>2λ (typical)                                                                                                          |
| <b>Surface Quality</b> :<br>80-50                                                                                                                        |
| <b>Type</b> :<br>Protective Window                                                                                                                       |
| <b>Wavelength Range (nm)</b> :<br>750 - 1550                                                                                                             |
| <b>Young's Modulus (GPa)</b> :<br>435                                                                                                                    |

## 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>             |