

**TECHSPEC® 15mm Dia., 2mm Thick, BBAR (2000-5000nm) AR Coated Sapphire Window**



Stock **#16-005** 3-4 DAYS

- 1 + **£82.88**

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| Qty 1-24                      |
| £82.88                        |
| Qty 25+                       |
| £66.30                        |
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ⓘ Prices shown are exclusive of VAT/local taxes

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**Abbe Number (v<sub>d</sub>):**  
72.24

**Axis Orientation:**  
Random

**Bevel:**  
Protective as needed

|                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Birefringence (n<sub>o</sub>-n<sub>e</sub>):</b><br>0.008 for Visible Light Orthogonal to Optical Axis                                              |
| <b>Clear Aperture (%):</b><br>≥90                                                                                                                      |
| <b>Clear Aperture CA (mm):</b><br>13.50                                                                                                                |
| <b>Diameter (mm):</b><br>15.00 ±0.25                                                                                                                   |
| <b>Thickness (mm):</b><br>2.00 ±0.10                                                                                                                   |
| <b>Coating:</b><br>BBAR (2000-5000nm)                                                                                                                  |
| <b>Coating Specification:</b><br>R <sub>avg</sub> <1.5% @ 2000-5000nm<br>R <sub>abs</sub> <3.0% @ 2000-5000nm<br>R <sub>avg</sub> <1.75% @ 2000-4000nm |
| <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>2000 - 5000                                                                                                           |
| <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>             |