

**TECHSPEC® 30mm Dia., 1mm Thick, MgF<sub>2</sub> AR Coated Sapphire Window**



Stock **#39-234** 3-4 DAYS

- 1 + **£130.47**

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|-------------------------------|
| Qty 1-24                      |
| £130.47                       |
| Qty 25+                       |
| £104.34                       |
| Volume Pricing                |
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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

|                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>Birefringence (<math>n_o</math>-<math>n_e</math>):</div><div>0.008 for Visible Light Orthogonal to Optical Axis</div></div> |
| <div><div>Clear Aperture (%):</div><div>≥90</div></div>                                                                               |
| <div><div>Clear Aperture CA (mm):</div><div>27.00</div></div>                                                                         |
| <div><div>Diameter (mm):</div><div>30.00 ±0.25</div></div>                                                                            |
| <div><div>Thickness (mm):</div><div>1.00 ±0.10</div></div>                                                                            |
| <div><div>Coating:</div><div>MgF<sub>2</sub> (400-700nm)</div></div>                                                                  |
| <div><div>Coating Specification:</div><div>R<sub>avg</sub> ≤1.75% @400 - 700nm</div></div>                                            |
| <div><div>Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):</div><div>8.8</div></div>                                        |
| <div><div>Density (g/cm³):</div><div>3.97</div></div>                                                                                 |
| <div><div>Edges:</div><div>Fine Ground</div></div>                                                                                    |
| <div><div>Index of Refraction n<sub>d</sub>:</div><div>1.77</div></div>                                                               |
| <div><div>Knoop Hardness (kg/mm²):</div><div>1900</div></div>                                                                         |
| <div><div>Parallelism (arcmin):</div><div>≤3.5</div></div>                                                                            |
| <div><div>Poisson's Ratio:</div><div>0.27</div></div>                                                                                 |
| <div><div>Substrate:</div><div>Sapphire (Al<sub>2</sub>O<sub>3</sub>)</div></div>                                                     |
| <div><div>Surface Flatness (P-V):</div><div>2λ (typical)</div></div>                                                                  |
| <div><div>Surface Quality:</div><div>80-50</div></div>                                                                                |
| <div><div>Type:</div><div>Protective Window</div></div>                                                                               |
| <div><div>Wavelength Range (nm):</div><div>400 - 700</div></div>                                                                      |
| <div><div>Young's Modulus (GPa):</div><div>435</div></div>                                                                            |

## Regulatory Compliance

|                                                                  |
|------------------------------------------------------------------|
| <div><div>RoHS 2015:</div><div>Compliant</div></div>             |
| <div><div>Certificate of Conformance:</div><div>View</div></div> |
| <div><div>Reach 235:</div><div>Compliant</div></div>             |