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TECHSPEC® 12.5mm Dia. 2mm Thick UV-AR Coated, 1X Fused Silica window



Stock #45-809 3-4 DAYS

1 €86,00

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|-------------------------------|
| Qty 1-5                       |
| €86,00                        |
| Qty 6+                        |
| €68,75                        |
| Volume Pricing                |
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Abbe Number (v<sub>d</sub>):  
67.8

Bevel:  
Protective as needed

Clear Aperture (%):  
90

|                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Clear Aperture CA (mm):</b><br>11.25                                                                                                                |
| <b>Diameter (mm):</b><br>12.50 +0.00/-0.20                                                                                                             |
| <b>Thickness (mm):</b><br>2.00 ±0.38                                                                                                                   |
| <b>Coating:</b><br>UV-AR (250-425nm)                                                                                                                   |
| <b>Coating Specification:</b><br>R <sub>abs</sub> ≤1.0% @ 250 - 425nm<br>R <sub>avg</sub> ≤0.75% @ 250 - 425nm<br>R <sub>avg</sub> ≤0.5% @ 370 - 420nm |
| <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 (arcmin):</b><br><5                                                                                                                     |
| <b>Poisson's Ratio:</b><br>0.16                                                                                                                        |
| <b>Substrate:</b><br><a href="#">Fused Silica</a> (Corning 7980)                                                                                       |
| <b>Surface Flatness (P-V):</b><br>1λ                                                                                                                   |
| <b>Surface Quality:</b><br>60-40                                                                                                                       |
| <b>Type:</b><br>Protective Window                                                                                                                      |
| <b>Wavelength Range (nm):</b><br>250 - 450                                                                                                             |
| <b>Young's Modulus (GPa):</b><br>73                                                                                                                    |
| <b>Damage Threshold, Reference:</b> <input type="checkbox"/><br>3 J/cm² @ 355nm, 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>             |