

TECHSPEC® 25mm Dia., 3mm Thick, UV-VIS Coated λ/10 Fused Silica Window



Stock #48-066 ☐ In Stock

-

1

+

£133.88

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Abbe Number (v<sub>d</sub>):  
67.8

Bevel:  
Protective as needed

Clear Aperture (%):  
80

|                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <div>Clear Aperture CA (mm):<br/>20.00</div>                                                                                                  |
| <div>Diameter (mm):<br/>25.00 +0.00/-0.20</div>                                                                                               |
| <div>Thickness (mm):<br/>3.00 ±0.10</div>                                                                                                     |
| <div>Coating:<br/>UV-VIS (250-700nm)</div>                                                                                                    |
| <div>Coating Specification:<br/>R<sub>abs</sub> ≤1.0% @ 350 - 450nm<br/>R<sub>avg</sub> ≤1.5% @ 250 - 700nm</div>                             |
| <div>Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):<br/>0.52 (+5 to +35°C)<br/>0.57 (0 to +200°C)<br/>0.48 (-100 to +200°C)</div> |
| <div>Density (g/cm³):<br/>2.20</div>                                                                                                          |
| <div>Edges:<br/>Fine Ground</div>                                                                                                             |
| <div>Index of Refraction n<sub>d</sub>:<br/>1.458</div>                                                                                       |
| <div>Knoop Hardness (kg/mm²):<br/>522</div>                                                                                                   |
| <div>Parallelism (arcsec):<br/>&lt;5</div>                                                                                                    |
| <div>Poisson's Ratio:<br/>0.16</div>                                                                                                          |
| <div>Substrate:<br/><a href="#">Fused Silica</a> (Corning 7980)</div>                                                                         |
| <div>Surface Quality:<br/>20-10</div>                                                                                                         |
| <div>Transmitted Wavefront, P-V:<br/>λ/10</div>                                                                                               |
| <div>Type:<br/>Protective Window</div>                                                                                                        |
| <div>Wavelength Range (nm):<br/>250 - 700</div>                                                                                               |
| <div>Young's Modulus (GPa):<br/>73</div>                                                                                                      |
| <div>Damage Threshold, Reference: <div></div><div>3 J/cm² @ 355nm, 10ns<br/>5 J/cm² @ 532nm, 10ns</div></div>                                 |

## Regulatory Compliance

|                                                                 |
|-----------------------------------------------------------------|
| <div>RoHS 2015:<br/><a href="#">Compliant</a></div>             |
| <div>Certificate of Conformance:<br/><a href="#">View</a></div> |
| <div>Reach 235:<br/><a href="#">Compliant</a></div>             |