

**TECHSPEC® 50.8mm Diameter, UV-VIS Coated, Calcium Fluoride Window**



TECHSPEC Calcium Fluoride (CaF<sub>2</sub>) Windows

Stock **#14-810** 3-4 DAYS

⊖ 1 ⊕ **€302,50**

ADD TO CART

Qty 1-10

€302,50

Qty 11+

€272,25

Volume Pricing

[Request Quote](#)

⚠ Prices shown are exclusive of VAT/local taxes

Get Product Downloads



**Abbe Number (v<sub>d</sub>):**  
94.99

**Axis Orientation:**  
Random

**Bevel:**

|                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------|
| Protective as needed                                                                                            |
| <b>Clear Aperture (%)</b> :<br>90                                                                               |
| <b>Clear Aperture CA (mm)</b> :<br>45.72                                                                        |
| <b>Diameter (mm)</b> :<br>50.80 +0.0/-0.1                                                                       |
| <b>Thickness (mm)</b> :<br>3.00 ±0.1                                                                            |
| <b>Coating</b> :<br>UV-VIS (250-700nm)                                                                          |
| <b>Coating Specification</b> :<br>R <sub>abs</sub> ≤1.0% @ 350 - 450nm<br>R <sub>avg</sub> ≤1.5% @ 250 - 700nm  |
| <b>Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C)</b> :<br>18.85                                     |
| <b>Density (g/cm³)</b> :<br>3.18                                                                                |
| <b>Edges</b> :<br>Fine Ground                                                                                   |
| <b>Index of Refraction n<sub>d</sub></b> :<br>1.434                                                             |
| <b>Knoop Hardness (kg/mm²)</b> :<br>158.3                                                                       |
| <b>Parallelism (arcmin)</b> :<br><1                                                                             |
| <b>Poisson's Ratio</b> :<br>0.26                                                                                |
| <b>Substrate</b> :<br>Calcium Fluoride (CaF <sub>2</sub> ) Vacuum UV Grade                                      |
| <b>Surface Flatness (P-V)</b> :<br>λ/2                                                                          |
| <b>Surface Quality</b> :<br>40-20                                                                               |
| <b>Type</b> :<br>Protective Window                                                                              |
| <b>Wavelength Range (nm)</b> :<br>250 - 700                                                                     |
| <b>Young's Modulus (GPa)</b> :<br>75.8                                                                          |
| <b>Damage Threshold, By Design</b> : <input type="checkbox"/><br>3 J/cm² @ 355nm, 10ns<br>5 J/cm² @ 532nm, 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>             |