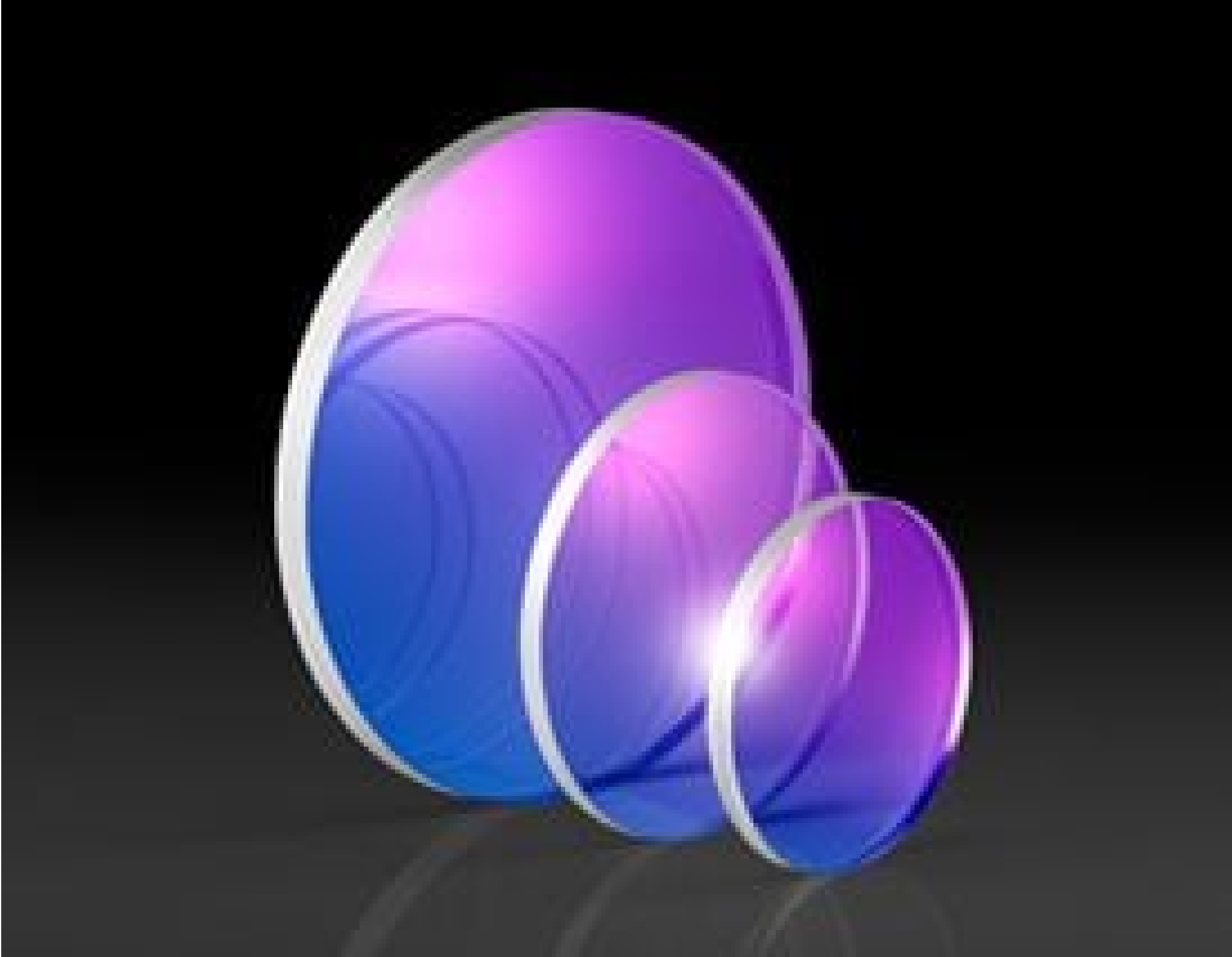


**TECHSPEC® 12.5mm Diameter, NIR II Coated, Calcium Fluoride Window**



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

Stock **#14-826** 3-4 DAYS

⊖ 1 ⊕ **€160,00**

ADD TO CART

Qty 1-10

€160,00

Qty 11+

€144,00

Volume Pricing

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⚠ Prices shown are exclusive of VAT/local taxes

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**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>11.25                                                                                                                 |
| <b>Diameter (mm)</b> :<br>12.50 +0.0/-0.1                                                                                                                |
| <b>Thickness (mm)</b> :<br>2.00 ±0.1                                                                                                                     |
| <b>Coating</b> :<br>NIR II (750-1550nm)                                                                                                                  |
| <b>Coating Specification</b> :<br>R <sub>abs</sub> ≤1.5% @ 750 - 800nm<br>R <sub>abs</sub> ≤1.0% @ 800 - 1550nm<br>R <sub>avg</sub> ≤0.7% @ 750 - 1550nm |
| <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>750 - 1550                                                                                                             |
| <b>Young's Modulus (GPa)</b> :<br>75.8                                                                                                                   |
| <b>Damage Threshold, By Design</b> : <input type="checkbox"/><br>8 J/cm² @ 1064nm, 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>             |