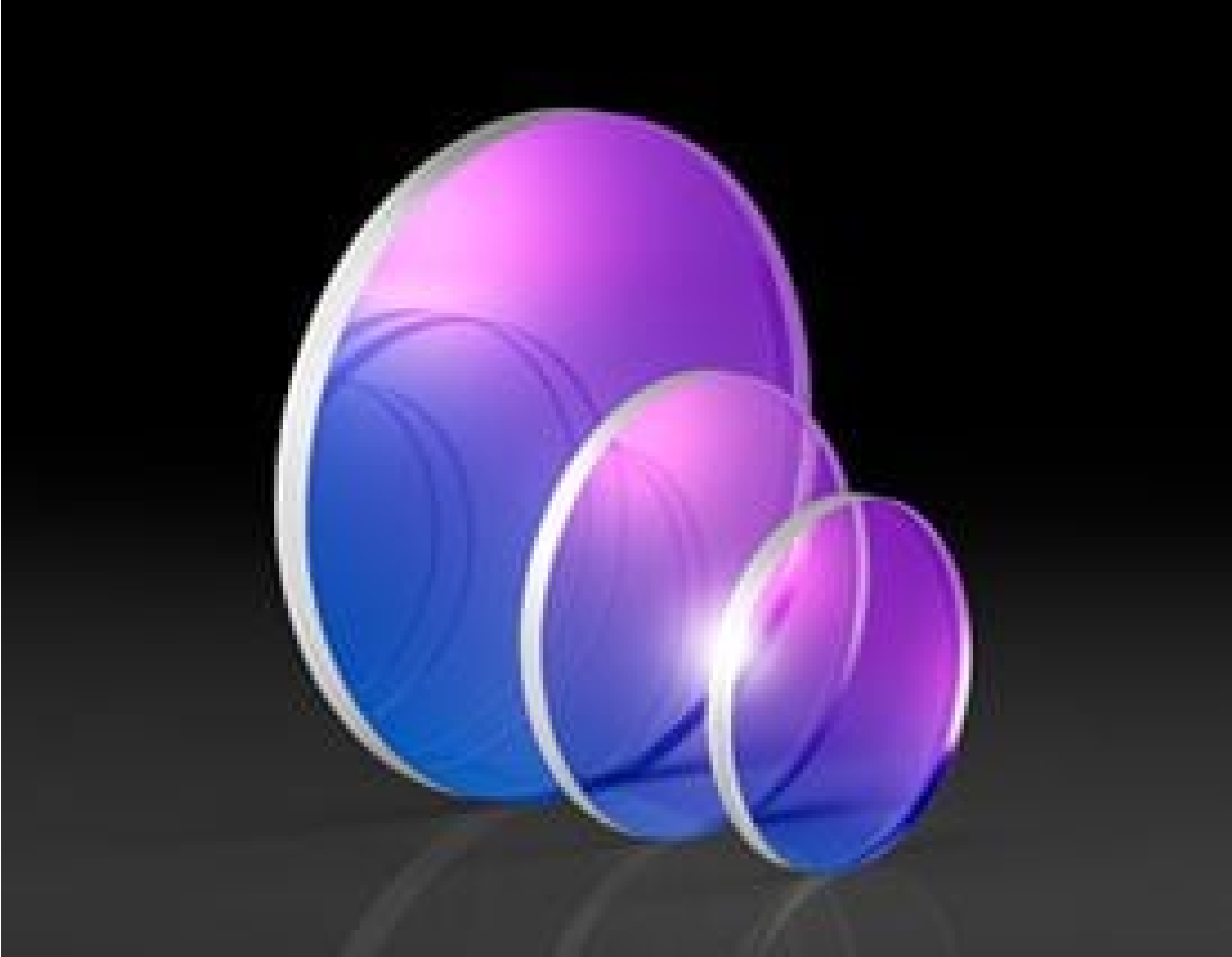


**TECHSPEC® 50mm Diameter, BBAR (1650-3000nm) Coated, Calcium Fluoride Window**



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

Stock **#15-971** 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>45.00                                                                       |
| <b>Diameter (mm)</b> :<br>50.00 +0.0/-0.1                                                                      |
| <b>Thickness (mm)</b> :<br>3.00 ±0.1                                                                           |
| <b>Coating</b> :<br>BBAR (1650-3000nm)                                                                         |
| <b>Coating Specification</b> :<br>R <sub>avg</sub> <1% @ 1650 - 3000nm<br>R <sub>abs</sub> <2% @ 1650 - 3000nm |
| <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>1650 - 3000                                                                  |
| <b>Young's Modulus (GPa)</b> :<br>75.8                                                                         |

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>             |