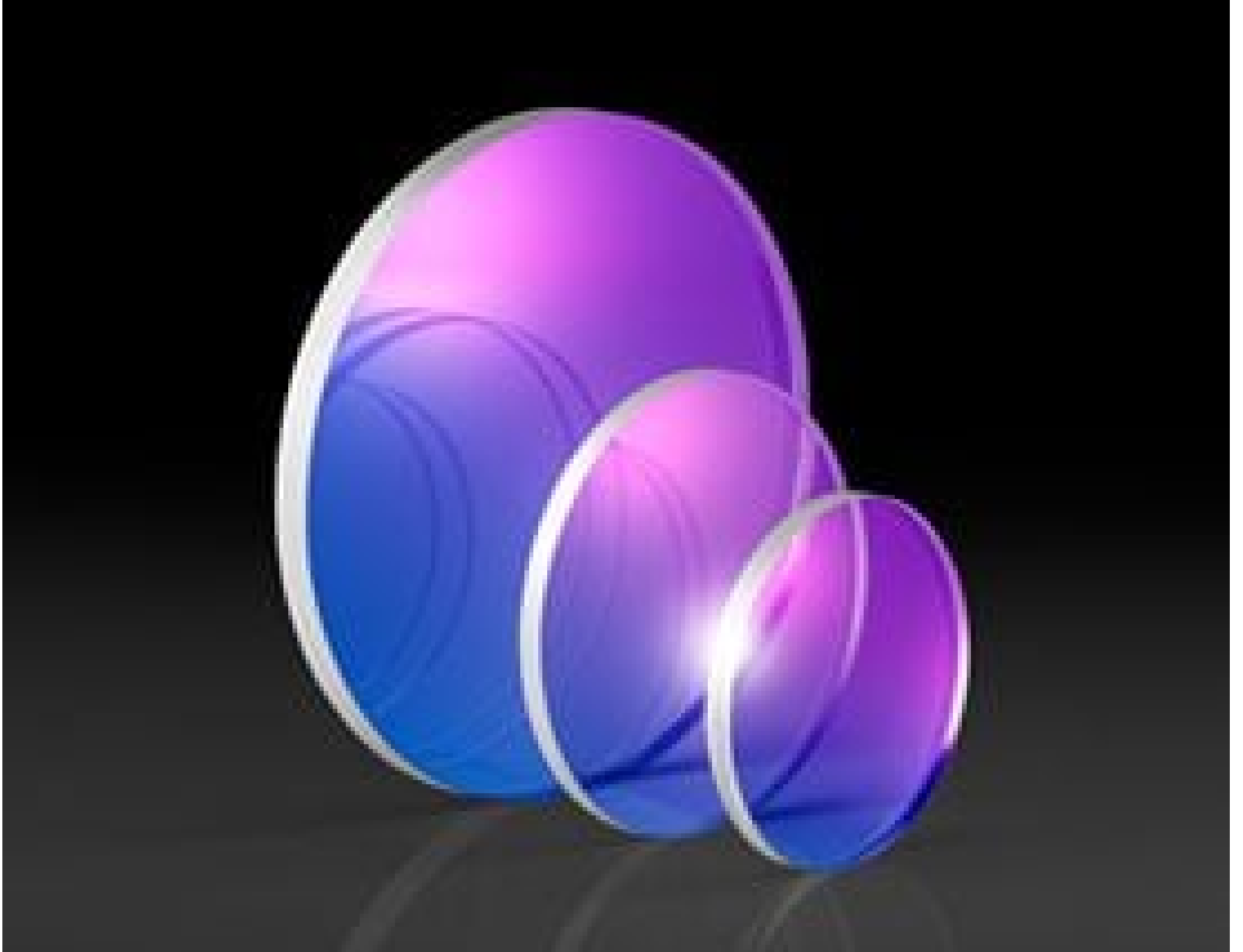


## TECHSPEC® 5mm Diameter, VIS-NIR Coated, Calcium Fluoride Window



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

Stock #14-812 3-4 DAYS

⊖ 1 ⊕ **£125.38**

**ADD TO CART**

Qty 1-10

£125.38

Qty 11+

£112.84

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

**Clear Aperture (%):**  
90

**Clear Aperture CA (mm):**  
4.50

**Diameter (mm):**  
5.00 +0.0/-0.1

**Thickness (mm):**  
1.00 ±0.1

**Coating:**  
VIS-NIR (400-1000nm)

**Coating Specification:**  
R<sub>abs</sub> ≤0.25% @ 880nm  
R<sub>avg</sub> ≤1.25% @ 400 - 870nm  
R<sub>avg</sub> ≤1.25% @ 890 - 1000nm

**Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):**  
18.85

**Density (g/cm<sup>3</sup>):**  
3.18

**Edges:**  
Fine Ground

**Index of Refraction n<sub>d</sub>:**  
1.434

**Knoop Hardness (kg/mm<sup>2</sup>):**  
158.3

**Parallelism (arcmin):**  
<1

**Poisson's Ratio:**  
0.26

**Substrate:**  
Calcium Fluoride (CaF<sub>2</sub>) Vacuum UV Grade

**Surface Flatness (P-V):**  
λ/2

**Surface Quality:**  
40-20

**Type:**  
Protective Window

**Wavelength Range (nm):**  
400 - 1000

**Young's Modulus (GPa):**  
75.8

**Damage Threshold, By Design:**   
5 J/cm<sup>2</sup> @ 532nm, 10ns

## Regulatory Compliance

**RoHS 2015:**  
[Compliant](#)

**Certificate of Conformance:**  
[View](#)

**Reach 235:**  
[Compliant](#)