

TECHSPEC® 50.8mm Diameter, NIR II Coated, Calcium Fluoride Window



TECHSPEC Calcium Fluoride (CaF₂) Windows

Stock **#14-834** 3-4 DAYS

⊖ 1 ⊕ **£257.13**

ADD TO CART

Qty 1-10

£257.13

Qty 11+

£231.41

Volume Pricing

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⚠ Prices shown are exclusive of VAT/local taxes

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Abbe Number (v_d):
94.99

Axis Orientation:
Random

Bevel:

Protective as needed
Clear Aperture (%) : 90
Clear Aperture CA (mm) : 45.72
Diameter (mm) : 50.80 +0.0/-0.1
Thickness (mm) : 3.00 ±0.1
Coating : NIR II (750-1550nm)
Coating Specification : R _{abs} ≤1.5% @ 750 - 800nm R _{abs} ≤1.0% @ 800 - 1550nm R _{avg} ≤0.7% @ 750 - 1550nm
Coefficient of Thermal Expansion CTE (10⁻⁶/°C) : 18.85
Density (g/cm³) : 3.18
Edges : Fine Ground
Index of Refraction n_d : 1.434
Knoop Hardness (kg/mm²) : 158.3
Parallelism (arcmin) : <1
Poisson's Ratio : 0.26
Substrate : Calcium Fluoride (CaF ₂) Vacuum UV Grade
Surface Flatness (P-V) : λ/2
Surface Quality : 40-20
Type : Protective Window
Wavelength Range (nm) : 750 - 1550
Young's Modulus (GPa) : 75.8
Damage Threshold, By Design : ☐ 8 J/cm² @ 1064nm, 10ns

Regulatory Compliance

RoHS 2015 : Compliant
Certificate of Conformance : View
Reach 235 : Compliant