

TECHSPEC® 12.5mm Diameter, VIS-NIR Coated, Calcium Fluoride Window



TECHSPEC Calcium Fluoride (CaF₂) Windows

Stock **#14-814** 3-4 DAYS

⊖ 1 ⊕ **£136.00**

ADD TO CART

Qty 1-10

£136.00

Qty 11+

£122.40

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) : 11.25
Diameter (mm) : 12.50 +0.0/-0.1
Thickness (mm) : 2.00 ±0.1
Coating : VIS-NIR (400-1000nm)
Coating Specification : R _{abs} ≤0.25% @ 880nm R _{avg} ≤1.25% @ 400 - 870nm R _{avg} ≤1.25% @ 890 - 1000nm
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) : 400 - 1000
Young's Modulus (GPa) : 75.8
Damage Threshold, By Design : ☐ 5 J/cm² @ 532nm, 10ns

Regulatory Compliance

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