

TECHSPEC[®] 40mm Diameter, VIS-NIR Coated, Calcium Fluoride Window



TECHSPEC Calcium Fluoride (CaF₂) Windows

Stock #14-820 3-4 DAYS

⊖

1

⊕

£231.63

ADD TO CART

Qty 1-10

£231.63

Qty 11+

£208.46

Volume Pricing

[Request Quote](#)

⚠ Prices shown are exclusive of VAT/local taxes

Get Product Downloads



Abbe Number (v_d):
94.99

Axis Orientation:
Random

Bevel:

Protective as needed
Clear Aperture (%) : 90
Clear Aperture CA (mm) : 36.00
Diameter (mm) : 40.00 +0.0/-0.1
Thickness (mm) : 3.00 ±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