

TECHSPEC® 50mm Dia., 1mm Thick, UV-VIS Coated, Calcium Fluoride Window



TECHSPEC Calcium Fluoride (CaF₂) Windows

Stock **#22-609** ☐ In Stock

-

1

+

C\$423.50

ADD TO CART

Qty 1-10

C\$423.50

Qty 11+

C\$381.15

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Abbe Number (v_d):
94.99

Axis Orientation:
Random

Bevel:
Protective as needed

Clear Aperture (%) : 90
Clear Aperture CA (mm) : 45.00
Diameter (mm) : 50.00 +0.0/-0.1
Thickness (mm) : 1.00 ±0.1
Coating : UV-VIS (250-700nm)
Coating Specification : R _{abs} ≤1.0% @ 350 - 450nm R _{avg} ≤1.5% @ 250 - 700nm
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) : 2λ
Surface Quality : 40-20
Type : Protective Window
Wavelength Range (nm) : 250 - 700
Young's Modulus (GPa) : 75.8
Damage Threshold, By Design : 3 J/cm² @ 355nm, 10ns 5 J/cm² @ 532nm, 10ns

Regulatory Compliance

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