

TECHSPEC® 50mm Dia. x 1mm Thick, BBAR (2000-5000nm) Coated Calcium Fluoride Window



TECHSPEC Calcium Fluoride (CaF₂) Windows

Stock #23-522 10 TO 12 DAYS



1



₹26,318.00

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Qty 1-10
₹26,318.00
Qty 11+
₹23,686.00
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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: BBAR (2000-5000nm)
Coating Specification: R_{avg} <1.5% @ 2000-5000nm R_{abs} <3.0% @ 2000-5000nm R_{avg} <1.75% @ 2000-4000nm
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 (CaF₂) Vacuum UV Grade
Surface Flatness (P-V): 2λ
Surface Quality: 40-20
Type: Protective Window
Wavelength Range (nm): 2000 - 5000
Young's Modulus (GPa): 75.8

Regulatory Compliance

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