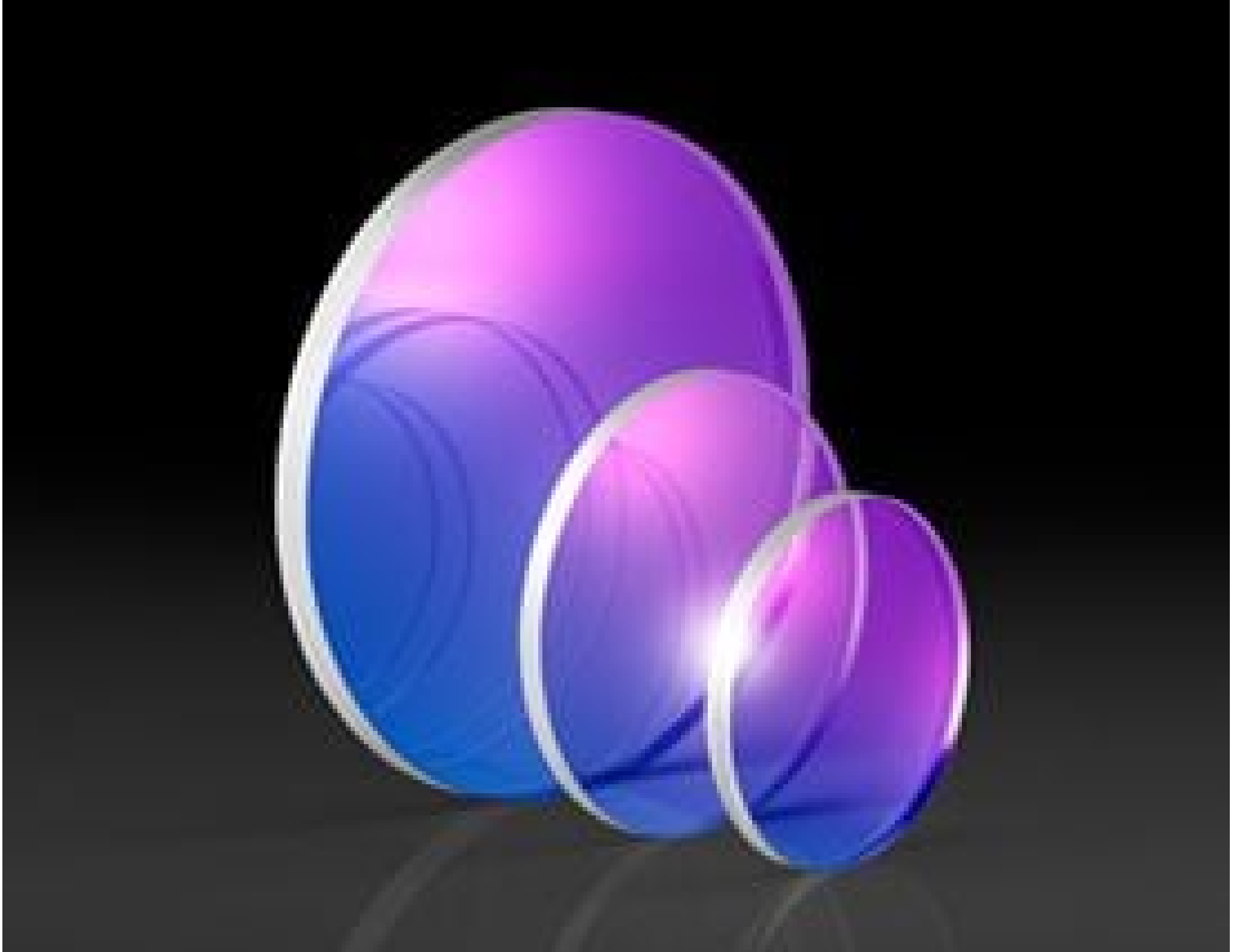


TECHSPEC® 50mm Diameter, NIR II Coated, Calcium Fluoride Window



TECHSPEC Calcium Fluoride (CaF₂) Windows

Stock #14-833 3-4 DAYS

⊖ 1 ⊕ **€302,50**

ADD TO CART

Qty 1-10

€302,50

Qty 11+

€272,25

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):
45.00

Diameter (mm):
50.00 +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 (CaF₂) 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](#)