

TECHSPEC® 75mm Sq., 4mm Thick, VIS-NIR Coated λ /4 N-BK7 Window



Stock #37-072

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1

+

£170.00

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Qty 1-5

£170.00

Qty 6+

£136.00

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Abbe Number (v_d):

64.17

Bevel:

Protective as needed

Clear Aperture (%):

90

Clear Aperture CA (mm): 67.50 x 67.50
Dimensions (mm): 75.00 x 75.00
Thickness (mm): 4.00 ±0.20
Coating: VIS-NIR (400-1000nm)
Coating Specification: R_{abs} ≤ 0.25% @ 880nm R_{avg} ≤ 1.25% @ 400 - 870 nm R_{avg} ≤ 1.25% @ 890 - 1000nm
Coefficient of Thermal Expansion CTE (10⁻⁶/°C): 7.1 (-30 to +70°C) 8.3 (+20 to +300°C)
Density (g/cm³): 2.51
Edges: Fine Ground
Index of Refraction n_d: 1.516
Knoop Hardness (kg/mm²): 610
Parallelism (arcmin): <1
Poisson's Ratio: 0.206
Substrate: N-BK7
Surface Flatness (P-V): λ/4
Surface Quality: 60-40
Type: Protective Window
Wavelength Range (nm): 400 - 1000
Young's Modulus (GPa): 82
Length (mm): 75.00
Width (mm): 75.00
Damage Threshold, By Design: ☐ 5 J/cm² @ 532nm, 10ns

Regulatory Compliance

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