

TECHSPEC® 50.8mm Dia., 3.18mm Thick, NIR II AR Coated Sapphire Window



Stock **#39-270** 3-4 DAYS

- 1 + **£376.13**

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Qty 1-24
£376.13
Qty 25+
£300.90
Volume Pricing
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Prices shown are exclusive of VAT/local taxes

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Abbe Number (v_d):
72.24

Axis Orientation:
Random

Bevel:
Protective as needed

Birefringence (n_o-n_e): 0.008 for Visible Light Orthogonal to Optical Axis
Clear Aperture (%) : ≥90
Clear Aperture CA (mm) : 45.72
Diameter (mm) : 50.80 ±0.05
Thickness (mm) : 3.18 ±0.05
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) : 8.8
Density (g/cm³) : 3.97
Edges : Fine Ground
Index of Refraction n_d : 1.77
Knoop Hardness (kg/mm²) : 1900
Parallelism (arcmin) : ≤3.5
Poisson's Ratio : 0.27
Substrate : Sapphire (Al ₂ O ₃)
Surface Flatness (P-V) : 2λ (typical)
Surface Quality : 80-50
Type : Protective Window
Wavelength Range (nm) : 750 - 1550
Young's Modulus (GPa) : 435

Regulatory Compliance

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