

TECHSPEC®

10mm Dia., 1mm Thick, NIR I AR Coated Sapphire Window



Stock **#36-487**

3-4 DAYS

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1

+

£55.67

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Qty 1-24
£55.67
Qty 25+
£44.63
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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): 9.00
Diameter (mm): 10.00 ±0.25
Thickness (mm): 1.00 ±0.15
Coating: NIR I (600-1050nm)
Coating Specification: R_{avg} ≤0.5% @ 600 - 1050nm
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 (Al₂O₃)
Surface Flatness (P-V): 2λ (typical)
Surface Quality: 80-50
Type: Protective Window
Wavelength Range (nm): 600 - 1050
Young's Modulus (GPa): 435

Regulatory Compliance

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