

TECHSPEC® 6.35mm Dia., 0.5mm Thick, NIR II AR Coated Sapphire Window



Stock **#39-262** [CONTACT US](#)

- 1 + **£45.48**

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£45.48
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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): 5.72
Diameter (mm): 6.35 ±0.05
Thickness (mm): 0.50 ±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