

TECHSPEC[®] 5mm Dia., 1mm Thick, VIS-NIR AR Coated Sapphire Window



Stock #36-577 3-4 DAYS

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1

+

£45.48

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Qty 1-24
£45.48
Qty 25+
£36.34
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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): 4.50
Diameter (mm): 5.00 ±0.15
Thickness (mm): 1.00 ±0.05
Coating: VIS-NIR (400-1000nm)
Coating Specification: R _{avg} ≤0.25% @880nm R _{avg} ≤1.25% @400 - 870nm R _{avg} ≤1.25% @890 - 1000nm
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): 400 - 1000
Young's Modulus (GPa): 435

Regulatory Compliance

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