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SUBMIT

TECHSPEC® 6.35mm Dia., 0.5mm Thick, VIS-NIR AR Coated Sapphire window



Stock #39-246 CONTACT US

1 €53,50

ADD TO CART

Qty 1-24

€53,50

Qty 25+

€42,75

Volume Pricing

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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: 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