

TECHSPEC® 30mm Dia., 1mm Thick, BBAR (1650-3000nm) AR Coated Sapphire Window



Stock #15-997

3-4 DAYS

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1

+

£161.50

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Qty 1-24
£161.50
Qty 25+
£129.20
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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) : 27.00
Diameter (mm) : 30.00 ±0.25
Thickness (mm) : 1.00 ±0.10
Coating : BBAR (1650-3000nm)
Coating Specification : R _{avg} <1% @ 1650 - 3000nm R _{abs} <2% @ 1650 - 3000nm
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) : 1650 - 3000
Young's Modulus (GPa) : 435

Regulatory Compliance

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