

TECHSPEC®

50.8mm Dia., 370 - 550nm BBAR Coated, Ultrafast Thin Window



Stock #11-748

3-4 DAYS

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1

+

£238.00

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Abbe Number (v_d):

67.8

Bevel:

Protective as needed

Clear Aperture (%):

90

Diameter (mm): 50.80 +0.00/-0.10
Thickness (mm): 1.00 ±0.10
Coating: BBAR (370-550nm)
Coating Specification: R_{abs} <0.55% @ 370 - 550nm
Coefficient of Thermal Expansion CTE (10⁻⁶/°C): 0.52 (+5 to +35°C) 0.57 (0 to +200°C) 0.48 (-100 to +200°C)
Density (g/cm³): 2.20
Edges: Fine Ground
Index of Refraction n_d: 1.458
Knoop Hardness (kg/mm²): 522
Parallelism (arcsec): ≤30
Poisson's Ratio: 0.16
Substrate: Fused Silica (Corning 7980)
Surface Quality: 20-10
Transmitted Wavefront, P-V: λ/6
Type: Ultrafast Window
Wavelength Range (nm): 370 - 550
Young's Modulus (GPa): 73
Damage Threshold, By Design: ☐ 7.5 J/cm² @ 355nm, 20ns, 20Hz

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View