

TECHSPEC® 50.8mm Dia., 950 - 1150nm BBAR Coated, Ultrafast Thin Window



Stock #11-742 3-4 DAYS

- 1 + **£238.00**

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Qty 1-5
£238.00
Qty 6+
£214.20
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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 (950-1150nm)
Coating Specification: R _{abs} <0.15% @ 950 - 1150nm
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
Design Wavelength DWL (nm): 1030
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): 950 - 1150
Young's Modulus (GPa): 73
Damage Threshold, By Design:  10 J/cm² @ 532nm, 20ns, 20Hz

Regulatory Compliance

RoHS 2015: Compliant
Reach 219: Compliant
Certificate of Conformance: View