

TECHSPEC®

12.7mm Dia., 700 - 900nm BBAR Coated, Ultrafast Thin Window



Stock #11-743

3-4 DAYS

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1

+

£108.38

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Abbe Number (v_d):

67.8

Bevel:

Protective as needed

Clear Aperture (%):

90

Diameter (mm): 12.70 +0.00/-0.10
Thickness (mm): 1.00 ±0.10
Coating: BBAR (700-900nm)
Coating Specification: R _{abs} <0.2% @ 700 - 900nm
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): 800
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): 700 - 900
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