

TECHSPEC®

50mm Dia., 1mm Thick, YAG-BBAR Coated, N/10 Fused Silica Window



Stock #13-359

3-4 DAYS

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1

+

£223.13

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Qty 1-5
£223.13
Qty 6+
£178.50
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Abbe Number (v_d):

67.8

Bevel:

Protective as needed

Clear Aperture (%):

80

Clear Aperture CA (mm): 40.00
Diameter (mm): 50.00 +0.00/-0.20
Thickness (mm): 1.00 ±0.10
Coating: YAG-BBAR (500-1100nm)
Coating Specification: R _{abs} <0.25% @ 532nm R _{abs} <0.25% @ 1064nm R _{avg} <1.0% @ 500 - 1100nm
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): <5
Poisson's Ratio: 0.16
Substrate: Fused Silica (Corning 7980)
Surface Quality: 20-10
Transmitted Wavefront, P-V: λ/10
Type: Protective Window
Wavelength Range (nm): 500 - 1100
Young's Modulus (GPa): 73
Damage Threshold, By Design: ☐ 5 J/cm² @ 532nm, 10ns

Regulatory Compliance

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