

TECHSPEC® 50.8mm Dia., 700 - 900nm BBAR Coated, Ultrafast Thin Window



Stock #11-745 3-4 DAYS

⊖ 1 ⊕ **£238.00**

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Qty 1-5

£238.00

Qty 6+

£214.20

Volume Pricing

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! Prices shown are exclusive of VAT/local taxes

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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 (700-900nm)

Coating Specification:
 $R_{abs} < 0.2\%$ @ 700 - 900nm

Coefficient of Thermal Expansion CTE ($10^{-6}/^{\circ}\text{C}$):
0.52 (+5 to +35°C)
0.57 (0 to +200°C)
0.48 (-100 to +200°C)

Density (g/cm^3):
2.20

Design Wavelength DWL (nm):
800

Edges:
Fine Ground

Index of Refraction n_d :
1.458

Knoop Hardness (kg/mm^2):
522

Parallelism (arcsec):
≤30

Poisson's Ratio:
0.16

Substrate:
[Fused Silica](#) (Corning 7980)

Surface Quality:
20-10

Transmitted Wavefront, P-V:
 $\lambda/6$

Type:
Ultrafast Window

Wavelength Range (nm):
700 - 900

Young's Modulus (GPa):
73

Damage Threshold, By Design:
 $10 \text{ J}/\text{cm}^2$ @ 532nm, 20ns, 20Hz

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Reach 219:
[Compliant](#)

Certificate of Conformance:
[View](#)