

TECHSPEC[®] 50mm Sq., 4mm Thick, MgF₂ Coated λ/4 N-BK7 Window



Stock #47-945 10 TO 12 DAYS

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1

+

₹9,309.00

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Qty 1-5
₹9,309.00
Qty 6+
₹7,439.00
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Abbe Number (v_d):
64.17

Bevel:
Protective as needed

Clear Aperture (%):
90

Clear Aperture CA (mm):

45.00 x 45.00
Dimensions (mm): 50.00 x 50.00
Thickness (mm): 4.00 ±0.20
Coating: MgF ₂ (400-700nm)
Coating Specification: R _{avg} ≤1.75% @ 400 - 700nm
Coefficient of Thermal Expansion CTE (10⁻⁶/°C): 7.1 (-30 to +70°C) 8.3 (+20 to +300°C)
Density (g/cm³): 2.51
Edges: Fine Ground
Index of Refraction n_d: 1.516
Knoop Hardness (kg/mm²): 610
Parallelism (arcmin): <1
Poisson's Ratio: 0.206
Substrate: N-BK7
Surface Flatness (P-V): λ/4
Surface Quality: 60-40
Type: Protective Window
Wavelength Range (nm): 400 - 700
Young's Modulus (GPa): 82
Length (mm): 50.00
Width (mm): 50.00
Damage Threshold, Reference: ☐ 10 J/cm² @532nm, 10ns

Regulatory Compliance

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