

TECHSPEC® 50mm Dia., 1mm Thick, MgF₂ Coated λ/4 N-BK7 Window



Stock **#37-007** [CONTACT US](#)

- 1 + **£90.95**

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Qty 1-5
£90.95

Qty 6+
£72.67

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Abbe Number (v_d):
64.17

Bevel:
Protective as needed

Clear Aperture (%):
90

Clear Aperture CA (mm): 45.00
Diameter (mm): 50.00 +0.0/-0.25
Thickness (mm): 1.00 ±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 Quality: 60-40
Transmitted Wavefront, P-V: λ/4
Type: Protective Window
Wavelength Range (nm): 400 - 700
Young's Modulus (GPa): 82
Damage Threshold, Reference: ☐ 10 J/cm² @532nm, 10ns

Regulatory Compliance

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