

TECHSPEC®

10mm Sq., 2mm Thick, MgF₂ Coated λ /4 N-BK7 Window



Stock **#49-623**

3-4 DAYS

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1

+

£55.67

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Abbe Number (v_d):

64.17

Bevel:

Protective as needed

Clear Aperture (%):

90

Clear Aperture CA (mm): 9.00 x 9.00
Dimensions (mm): 10.00 x 10.00
Thickness (mm): 2.00 ±0.20
Coating: MgF₂ (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): 10.00
Width (mm): 10.00
Damage Threshold, Reference: 10 J/cm² @532nm, 10ns

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View
Reach 240: Compliant