

12.5 x 12.5 x 3mm MgF₂ Coated, N-BK7 Window



Stock **#27-848** CLEARANCE ☐ In Stock

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Abbe Number (v_d):
64.17

Bevel:
Protective as needed

Clear Aperture CA (mm):
11.25 x 11.25

Dimensions (mm):
12.50 x 12.50

Thickness (mm):
3.00 ±0.20

Coating: MgF ₂ (400-700nm)
Coating Specification: MgF ₂ : ¼λ @ 550nm, 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): ≤5
Poisson's Ratio: 0.206
Substrate: N-BK7
Surface Accuracy: 1λ
Type: Protective Window
Wavelength Range (nm): 400 - 700
Young's Modulus (GPa): 82
Length (mm): 12.50
Width (mm): 12.50

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View