

TECHSPEC®

20mm Dia., 2mm Thick, MgF₂ AR Coated Sapphire Window



Stock #36-457

3-4 DAYS

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1

+

£78.63

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Qty 1-24

£78.63

Qty 25+

£62.90

Volume Pricing

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Abbe Number (v_d):
72.24

Axis Orientation:
Random

Bevel:
Protective as needed

Birefringence (n_o-n_e): 0.008 for Visible Light Orthogonal to Optical Axis
Clear Aperture (%) : ≥90
Clear Aperture CA (mm) : 18.00
Diameter (mm) : 20.00 ±0.10
Thickness (mm) : 2.00 ±0.10
Coating : MgF ₂ (400-700nm)
Coating Specification : R _{avg} ≤1.75% @400 - 700nm
Coefficient of Thermal Expansion CTE (10⁻⁶/°C) : 8.8
Density (g/cm³) : 3.97
Edges : Fine Ground
Index of Refraction n_d : 1.77
Knoop Hardness (kg/mm²) : 1900
Parallelism (arcmin) : ≤3.5
Poisson's Ratio : 0.27
Substrate : Sapphire (Al ₂ O ₃)
Surface Flatness (P-V) : 2λ (typical)
Surface Quality : 80-50
Type : Protective Window
Wavelength Range (nm) : 400 - 700
Young's Modulus (GPa) : 435

Regulatory Compliance

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