

TECHSPEC® 50 x 50mm, 4mm Thick MgF₂ Coated, 1λ Fused Silica Window



Stock #11-928 3-4 DAYS

- 1 + **€127,50**

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Qty 1-5
€127,50
Qty 6+
€102,00
Volume Pricing
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ⓘ Prices shown are exclusive of VAT/local taxes

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Abbe Number (v_d):
67.8

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 ±0.38
Coating: MgF₂ (400-700nm)
Coating Specification: R_{avg} ≤1.75% @400 - 700nm
Coefficient of Thermal Expansion CTE (10⁻⁶/°C): 0.52 (+5 to +35°C) 0.57 (0 to +200°C) 0.48 (-100 to +200°C)
Density (g/cm³): 2.20
Edges: Fine Ground
Index of Refraction n_d: 1.458
Knoop Hardness (kg/mm²): 522
Parallelism (arcmin): <5
Poisson's Ratio: 0.16
Substrate: Fused Silica (Corning 7980)
Surface Flatness (P-V): 1λ
Surface Quality: 60-40
Type: Protective Window
Wavelength Range (nm): 400 - 700
Young's Modulus (GPa): 73
Length (mm): 50.00
Width (mm): 50.00
Damage Threshold, By Design: 10 J/cm² @532nm, 10ns

Regulatory Compliance

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