

TECHSPEC® 75mm Dia., 2mm Thick, NIR I AR Coated Sapphire Window



Stock #18-949 3-4 DAYS

⊖ 1 ⊕ **€922,50**

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Qty 1-24

€922,50

Qty 25+

€738,00

Volume Pricing

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ⓘ Prices shown are exclusive of VAT/local taxes

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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):
67.50

Diameter (mm):
75.00 ±0.125

Thickness (mm):
2.00 ±0.05

Coating:
NIR I (600-1050nm)

Coating Specification:
 $R_{avg} \leq 0.5\%$ @ 600 - 1050nm

Coefficient of Thermal Expansion CTE ($10^{-6}/^{\circ}C$):
8.8

Density (g/cm^3):
3.97

Edges:
Fine Ground

Index of Refraction n_d :
1.77

Knoop Hardness (kg/mm^2):
1900

Parallelism (arcmin):
≤3.5

Poisson's Ratio:
0.27

Substrate:
Sapphire (Al_2O_3)

Surface Flatness (P-V):
 2λ (typical)

Surface Quality:
80-50

Type:
Protective Window

Wavelength Range (nm):
600 - 1050

Young's Modulus (GPa):
435

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

Reach 235:
[Compliant](#)