

TECHSPEC® 30mm Dia., 1mm Thick, VIS-NIR AR Coated Sapphire Window



Stock #37-702 3-5 DAYS

⊖ 1 ⊕ **A\$280.00**

ADD TO CART

Qty 1-24

A\$280.00

Qty 25+

A\$224.00

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):
27.00

Diameter (mm):
30.00 ±0.25

Thickness (mm):
1.00 ±0.10

Coating:
VIS-NIR (400-1000nm)

Coating Specification:
 $R_{avg} \leq 0.25\%$ @ 880nm
 $R_{avg} \leq 1.25\%$ @ 400 - 870nm
 $R_{avg} \leq 1.25\%$ @ 890 - 1000nm

Coefficient of Thermal Expansion CTE ($10^{-6}/^{\circ}\text{C}$):
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):
400 - 1000

Young's Modulus (GPa):
435

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

Reach 235:
[Compliant](#)