

TECHSPEC® 6.35mm Dia., 0.5mm Thick, NIR II AR Coated Sapphire Window



Stock **#39-262** [CONTACT US](#)

- 1 +

A\$85.60

ADD TO CART

Qty 1-24
A\$85.60
Qty 25+
A\$68.40
Volume Pricing
Request Quote

Get Product Downloads



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):
5.72

Diameter (mm):
6.35 ±0.05

Thickness (mm):
0.50 ±0.05

Coating:
NIR II (750-1550nm)

Coating Specification:
R_{abs} ≤1.5% @ 750 - 800nm
R_{abs} ≤1.0% @ 800 - 1550nm
R_{avg} ≤0.7% @ 750 - 1550nm

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 (Al₂O₃)

Surface Flatness (P-V):
2λ (typical)

Surface Quality:
80-50

Type:
Protective Window

Wavelength Range (nm):
750 - 1550

Young's Modulus (GPa):
435

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

Reach 235:
[Compliant](#)