

TECHSPEC® 12.7mm Dia., 3.18mm Thick, NIR II AR Coated Sapphire Window



Stock #39-263

3-5 DAYS

-

1

+

A\$111.20

ADD TO CART

Qty 1-24

A\$111.20

Qty 25+

A\$88.80

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) : 11.43
Diameter (mm) : 12.70 ±0.05
Thickness (mm) : 3.18 ±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 (Al ₂ O ₃)
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