

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



Stock **#39-247** 3-4 DAYS

- 1 + **£59.07**

ADD TO CART

Qty 1-24
£59.07
Qty 25+
£47.17
Volume Pricing
Request Quote

Prices shown are exclusive of VAT/local taxes

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 : VIS-NIR (400-1000nm)
Coating Specification : R _{avg} ≤0.25% @880nm R _{avg} ≤1.25% @400 - 870nm R _{avg} ≤1.25% @890 - 1000nm
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) : 400 - 1000
Young's Modulus (GPa) : 435

Regulatory Compliance

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