

20mm Dia. $\lambda/4$ Uncoated, Precision Sapphire Window



TECHSPEC Precision Sapphire Windows

Stock **#88-429** CLEARANCE ☐ In Stock

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C\$97.93

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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 (%):
90.00

Clear Aperture CA (mm): 18.00
Diameter (mm): 20.00 +0.00/-0.25
Thickness (mm): 2.00 ±0.1
Coating: Uncoated
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
Poisson's Ratio: 0.27
Substrate: Sapphire (Al ₂ O ₃)
Surface Flatness (P-V): λ/4
Surface Quality: 40-20
Type: Protective Window
Wavelength Range (nm): 200 - 5500
Young's Modulus (GPa): 435

Regulatory Compliance

RoHS 2015: Compliant
Reach 197: Compliant
Certificate of Conformance: View