

12.7mm Dia., 1mm Thick, Uncoated, ISP Optics Sapphire Window | AL-W-12-1

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Stock **#19-715** CLEARANCE ☐ In Stock

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1

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C\$138.60

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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 (%):
85

Clear Aperture CA (mm): 10.80
Diameter (mm): 12.70 +0.00/-0.13
Thickness (mm): 1.00 ±0.13
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): 2λ (typical)
Surface Quality: 60-40
Type: Protective Window
Wavelength Range (nm): 330 - 5500
Young's Modulus (GPa): 435
Model Number: AL-WV-12-1

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View