

TECHSPEC® 20mm Dia., 1mm Thick, Uncoated, Sapphire Window



Stock #17-228 3-4 DAYS

⊖ 1 ⊕ **€76,50**

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Qty 1-24
€76,50
Qty 25+
€61,25
Volume Pricing
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ⓘ Prices shown are exclusive of VAT/local taxes

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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
Clear Aperture CA (mm): 18.00
Diameter (mm): 20.00 ±0.05
Thickness (mm): 1.00 ±0.05
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): ≤3.5
Poisson's Ratio: 0.27
Substrate: Sapphire (Al₂O₃)
Surface Flatness (P-V): 2λ (typical)
Surface Quality: 80-50
Type: Protective Window
Wavelength Range (nm): 330 - 5500
Young's Modulus (GPa): 435

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View
Reach 240: Compliant