

TECHSPEC® 12.5 x 12.5mm, 1mm Thick, Uncoated, Sapphire Window



Stock **#39-228** 10 TO 12 DAYS

- 1 +

₹4,089.00

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Qty 1-24
₹4,089.00
Qty 25+
₹3,263.00
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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):
11.25 x 11.25

Dimensions (mm):
12.50 x 12.50

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

Length (mm):
12.50

Width (mm):
12.50

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

Reach 240:
[Compliant](#)