

TECHSPEC® 12.5 x 12.5mm, 2mm Thick NIR II Coated, 1λ Fused Silica Window



Stock **#39-296** ☐ In Stock

-

1

+

C\$116.90

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Abbe Number (v_d):
67.8

Bevel:
Protective as needed

Clear Aperture (%):
90

Clear Aperture CA (mm):

11.25 x 11.25
Dimensions (mm): 12.50 x 12.50
Thickness (mm): 2.00 ±0.38
Coating: NIR II (750-1550nm)
Coating Specification: R _{abs} ≤1.5% @ 750 - 800nm R _{abs} ≤1.0% @ 800 - 1550nm R _{avg} ≤0.7% @ 750 - 1550nm
Coefficient of Thermal Expansion CTE (10⁻⁶/°C): 0.52 (+5 to +35°C) 0.57 (0 to +200°C) 0.48 (-100 to +200°C)
Density (g/cm³): 2.20
Edges: Fine Ground
Index of Refraction n_d: 1.458
Knoop Hardness (kg/mm²): 522
Parallelism (arcmin): <5
Poisson's Ratio: 0.16
Substrate: Fused Silica (Corning 7980)
Surface Flatness (P-V): 1λ
Surface Quality: 60-40
Type: Protective Window
Wavelength Range (nm): 750 - 1550
Young's Modulus (GPa): 73
Length (mm): 12.50
Width (mm): 12.50
Damage Threshold, By Design: ☐ 8 J/cm² @ 1064nm, 10ns

Regulatory Compliance

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