

TECHSPEC®

5mm Dia. 1mm Thick UV-AR Coated, 1λ Fused Silica Window



Stock **#45-807** ☐ In Stock

-

1

+

C\$120.40

ADD TO CART

Qty 1-5
C\$120.40
Qty 6+
C\$96.25
Volume Pricing
Request Quote

Get Product Downloads



Abbe Number (v_d):
67.8

Bevel:
Protective as needed

Clear Aperture (%):
90

Clear Aperture CA (mm):

4.50
Diameter (mm): 5.00 +0.00/-0.20
Thickness (mm): 1.00 ±0.38
Coating: UV-AR (250-425nm)
Coating Specification: R _{abs} ≤1.0% @ 250 - 425nm R _{avg} ≤0.75% @ 250 - 425nm R _{avg} ≤0.5% @ 370 - 420nm
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): 250 - 450
Young's Modulus (GPa): 73
Damage Threshold, Reference: ☐ 3 J/cm² @ 355nm, 10ns

Regulatory Compliance

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