

TECHSPEC® 5mm Dia., 1mm Thick, VIS 0° Coated λ/10 Fused Silica Window



Stock **#47-837** ☐ In Stock

1 **C\$192.50**

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Abbe Number (v_d):
67.8

Bevel:
Protective as needed

Clear Aperture (%):
80

Clear Aperture CA (mm):

4.00
Diameter (mm): 5.00 +0.00/-0.10
Thickness (mm): 1.00 ±0.10
Coating: VIS 0° (425-675nm)
Coating Specification: R _{avg} ≤0.4% @ 425 - 675nm
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 (arcsec): <5
Poisson's Ratio: 0.16
Substrate: Fused Silica (Corning 7980)
Surface Quality: 20-10
Transmitted Wavefront, P-V: λ/10
Type: Protective Window
Wavelength Range (nm): 425 - 675
Young's Modulus (GPa): 73
Damage Threshold, Reference: ☐ 5 J/cm² @ 532nm, 10ns

Regulatory Compliance

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