

TECHSPEC® 20mm Dia., 2mm Thick, VIS-NIR Coated λ/10 Fused Silica Window



Stock **#84-454** ☐ In Stock

1 **C\$213.50**

ADD TO CART

Qty 1-5
C\$213.50
Qty 6+
C\$170.80
Volume Pricing
Request Quote

Get Product Downloads



Abbe Number (v_d):
67.8

Bevel:
Protective as needed

Clear Aperture (%):
80

Clear Aperture CA (mm):

16.00
Diameter (mm): 20.00 +0.00/-0.20
Thickness (mm): 2.00 ±0.10
Coating: VIS-NIR (400-1000nm)
Coating Specification: R _{abs} ≤0.25% @ 880nm R _{avg} ≤1.25% @ 400 - 870nm R _{avg} ≤1.25% @ 890 - 1000nm
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): 400 - 1000
Young's Modulus (GPa): 73
Damage Threshold, Reference: ☐ 5 J/cm² @ 532nm, 10ns

Regulatory Compliance

RoHS 2015: Compliant
Reach 219: Compliant
Certificate of Conformance: View