

TECHSPEC® 50mm Dia., 1mm Thick VIS-NIR Coated, 1λ Fused Silica Window



Stock **#19-877** 3-4 DAYS

- 1 + **€145,00**

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Qty 1-5
€145,00
Qty 6+
€116,00
Volume Pricing
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ⓘ Prices shown are exclusive of VAT/local taxes

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Abbe Number (v_d):
67.8

Bevel:
Protective as needed

Clear Aperture (%):
90

Clear Aperture CA (mm): 45.00
Diameter (mm): 50.00 +0.00/-0.20
Thickness (mm): 1.00 ±0.38
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 (arcmin): <5
Poisson's Ratio: 0.16
Substrate: Fused Silica (Corning 7980)
Surface Quality: 60-40
Transmitted Wavefront, P-V: 1λ
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
Certificate of Conformance: View
Reach 235: Compliant