

TECHSPEC® 12.5mm Dia., 3mm Thick, UV-VIS Coated, λ/4 Fused Silica Window



TECHSPEC® λ/4 UV Fused Silica Windows

Stock **#14-972** 3-4 DAYS

-

1

+

£97.75

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Qty 1-5

£97.75

Qty 6+

£78.20

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Abbe Number (v_d):
67.8

Bevel:
Protective as needed

Clear Aperture (%):
90

Clear Aperture CA (mm): 11.25
Diameter (mm): 12.50 +0.00/-0.10
Thickness (mm): 3.00 ±0.10
Coating: UV-MS (250-700nm)
Coating Specification: R _{abs} ≤1.0% @ 350 - 450nm R _{avg} ≤1.5% @ 250 - 700nm
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): <1
Poisson's Ratio: 0.16
Substrate: Fused Silica (Corning 7980)
Surface Quality: 40-20
Transmitted Wavefront, P-V: λ/4
Type: Protective Window
Wavelength Range (nm): 250 - 700
Young's Modulus (GPa): 73
Damage Threshold, Reference:  3 J/cm² @ 355nm, 10ns 5 J/cm² @ 532nm, 10ns

Regulatory Compliance

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