

TECHSPEC®

50mm Dia., 3mm Thick, VIS-NIR Coated λ /4 N-BK7 Window



Stock **#37-018** ☐ In Stock

-

1

+

£105.83

ADD TO CART

Qty 1-5
£105.83
Qty 6+
£84.58
Volume Pricing
Request Quote

Prices shown are exclusive of VAT/local taxes

Get Product Downloads



Abbe Number (v_d):

64.17

Bevel:

Protective as needed

Clear Aperture (%):

90

Clear Aperture CA (mm): 45.00
Diameter (mm): 50.00 +0.0/-0.25
Thickness (mm): 3.00 ±0.20
Coating: VIS-NIR (400-1000nm)
Coating Specification: R _{abs} ≤0.25% @ 880nm R _{avg} ≤1.25% @ 400 - 870 nm R _{avg} ≤1.25% @ 890 - 1000nm
Coefficient of Thermal Expansion CTE (10⁻⁶/°C): 7.1 (-30 to +70°C) 8.3 (+20 to +300°C)
Density (g/cm³): 2.51
Edges: Fine Ground
Index of Refraction n_d: 1.516
Knoop Hardness (kg/mm²): 610
Parallelism (arcmin): <1
Poisson's Ratio: 0.206
Substrate: N-BK7
Surface Flatness (P-V): λ/4
Surface Quality: 60-40
Type: Protective Window
Wavelength Range (nm): 400 - 1000
Young's Modulus (GPa): 82
Damage Threshold, By Design: ☐ 5 J/cm² @ 532nm, 10ns

Regulatory Compliance

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