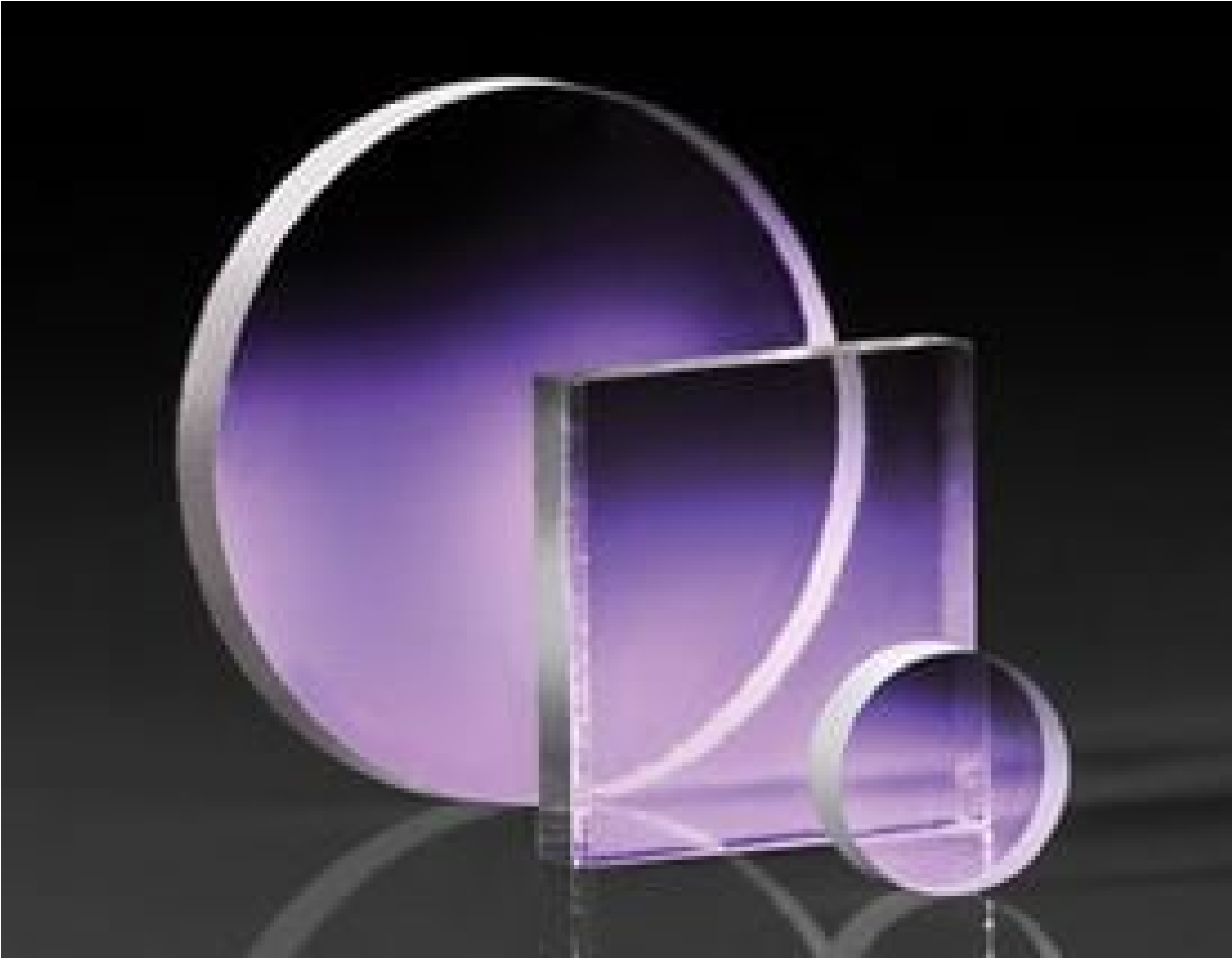


TECHSPEC® 50mm Diameter x 3.3mm Thickness, NIR Coated, BOROFLOAT® Window

See More by [SCHOTT Optical Components](#)



TECHSPEC BOROFLOAT Borosilicate Windows

Stock **#12-193** 3-4 DAYS

- 1 + **£44.20**

ADD TO CART

Qty 1-5

£44.20

Qty 6+

£35.27

Volume Pricing

[Request Quote](#)

! Prices shown are exclusive of VAT/local taxes

Get Product Downloads

Abbe Number (v_d):
65.41

Bevel:
Protective as needed

Clear Aperture (%):
≥90

Clear Aperture CA (mm): 45.00
Diameter (mm): 50.00 ±0.5
Thickness (mm): 3.30 ±0.2
Coating: NIR (700-1150nm)
Coating Specification: R _{avg} <1.0% @ 700 - 1150nm
Coefficient of Thermal Expansion CTE (10⁻⁶/°C): 3.25 (+20 to +300°C)
Density (g/cm³): 2.23
Edges: Ground
Index of Refraction n_d: 1.472
Knoop Hardness (kg/mm²): 480
Operating Temperature (°C): 1 hour @ 500; >100 hours @ 450
Poisson's Ratio: 0.2
Resistance to Temperature Difference (K): Short Term, 1 hr: 110K 1 - 100 hrs: 90K Long Term, >100 hrs: 80K
Substrate: BOROFLOAT®
Surface Flatness (P-V): 4 - 6λ
Surface Quality: 80-50
Thermal Shock (K): Up to 4mm Thick: 175K 4 - 6mm Thick: 160K 6 - 15mm Thick: 150K
Transformation Temperature (°C): 525
Transmission (%): ≥97
Type: Protective Window
Wavelength Range (nm): 700 - 1150
Young's Modulus (GPa): 64

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View
Reach 233: Compliant