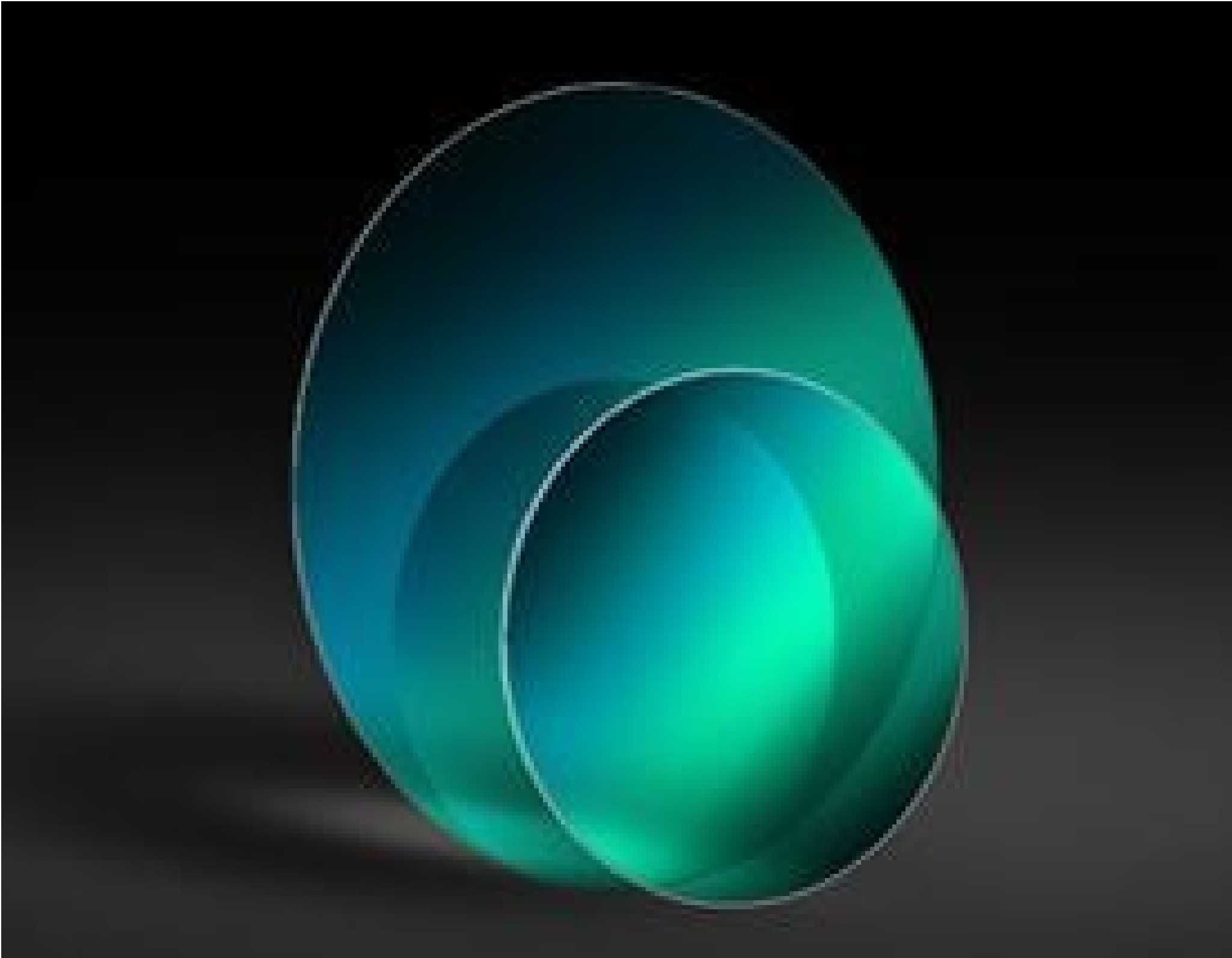


TECHSPEC® 50mm Diameter VIS 0° Coated, Ultra-Thin N-BK7 Window

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Ultra-Thin N-BK7 Windows

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Abbe Number (v_d):
64.17

Bevel:
Protective as needed

Clear Aperture CA (mm):

45.00
Diameter (mm): 50.00 +0.00/-0.10
Thickness (mm): 0.20 ±0.025
Coating: VIS 0° (425-675nm)
Coating Specification: R _{avg} ≤0.4% @ 425 - 675nm
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 (arcsec): <30
Poisson's Ratio: 0.206
Substrate: N-BK7
Surface Quality: 40-20
Transmitted Wavefront, P-V: λ/2
Type: Protective Window
Wavelength Range (nm): 425 - 675
Young's Modulus (GPa): 82
Damage Threshold, By Design: ☐ 5 J/cm ² @ 532nm, 10ns

Regulatory Compliance

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