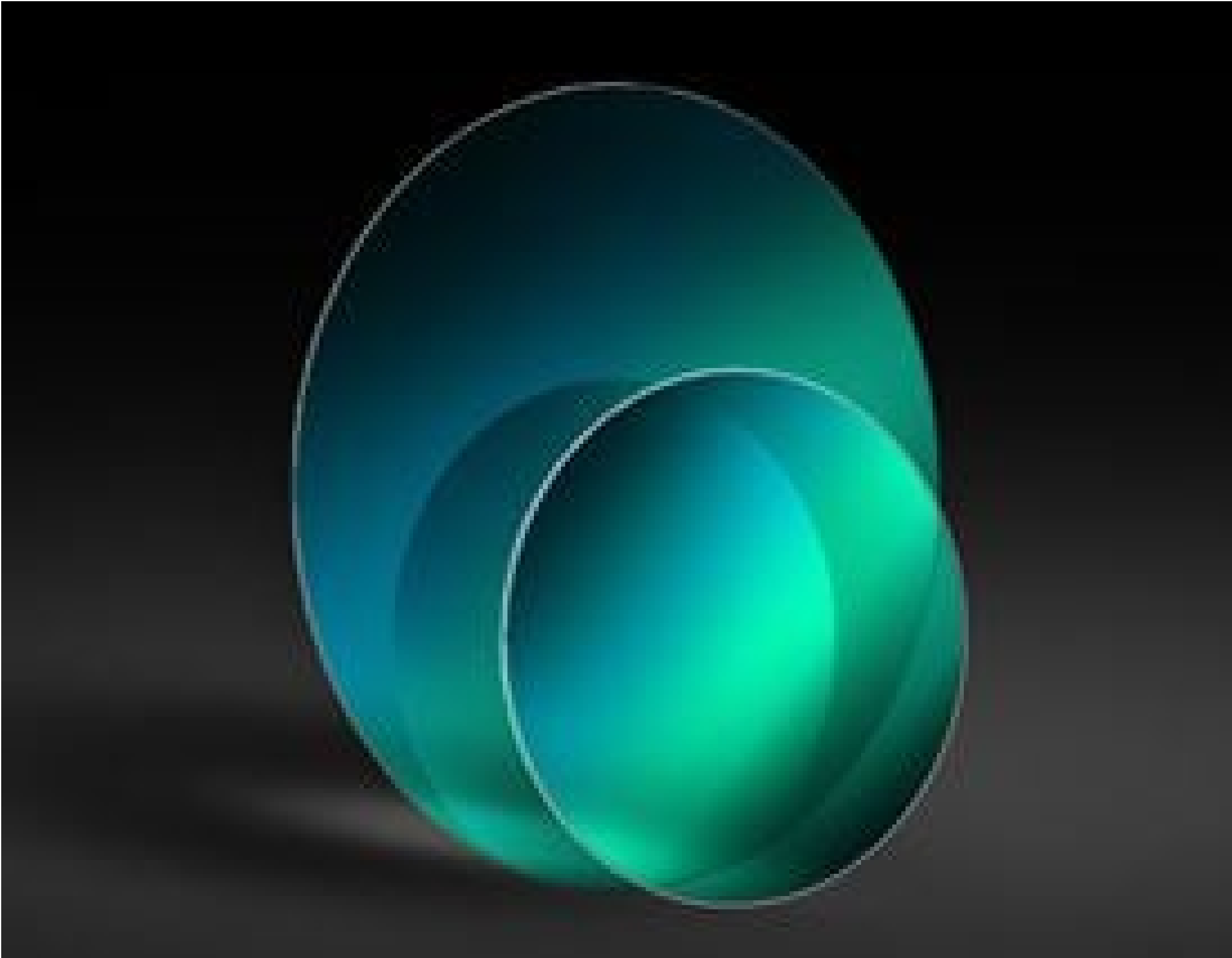


TECHSPEC[®] 40mm Diameter, MgF₂ Coated, Ultra-Thin N-BK7 Window

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Ultra-Thin N-BK7 Windows

Stock #66-198 3-5 DAYS

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Abbe Number (v_d):
64.17

Bevel:
Protective as needed

Clear Aperture CA (mm):
36.00

Diameter (mm): 40.00 +0.00/-0.10
Thickness (mm): 0.20 ±0.025
Coating: MgF₂ (400-700nm)
Coating Specification: R_{avg} ≤1.75% @ 400 - 700nm
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): 400 - 700
Young's Modulus (GPa): 82
Damage Threshold, Reference:  10 J/cm² @ 532nm, 10ns

Regulatory Compliance

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