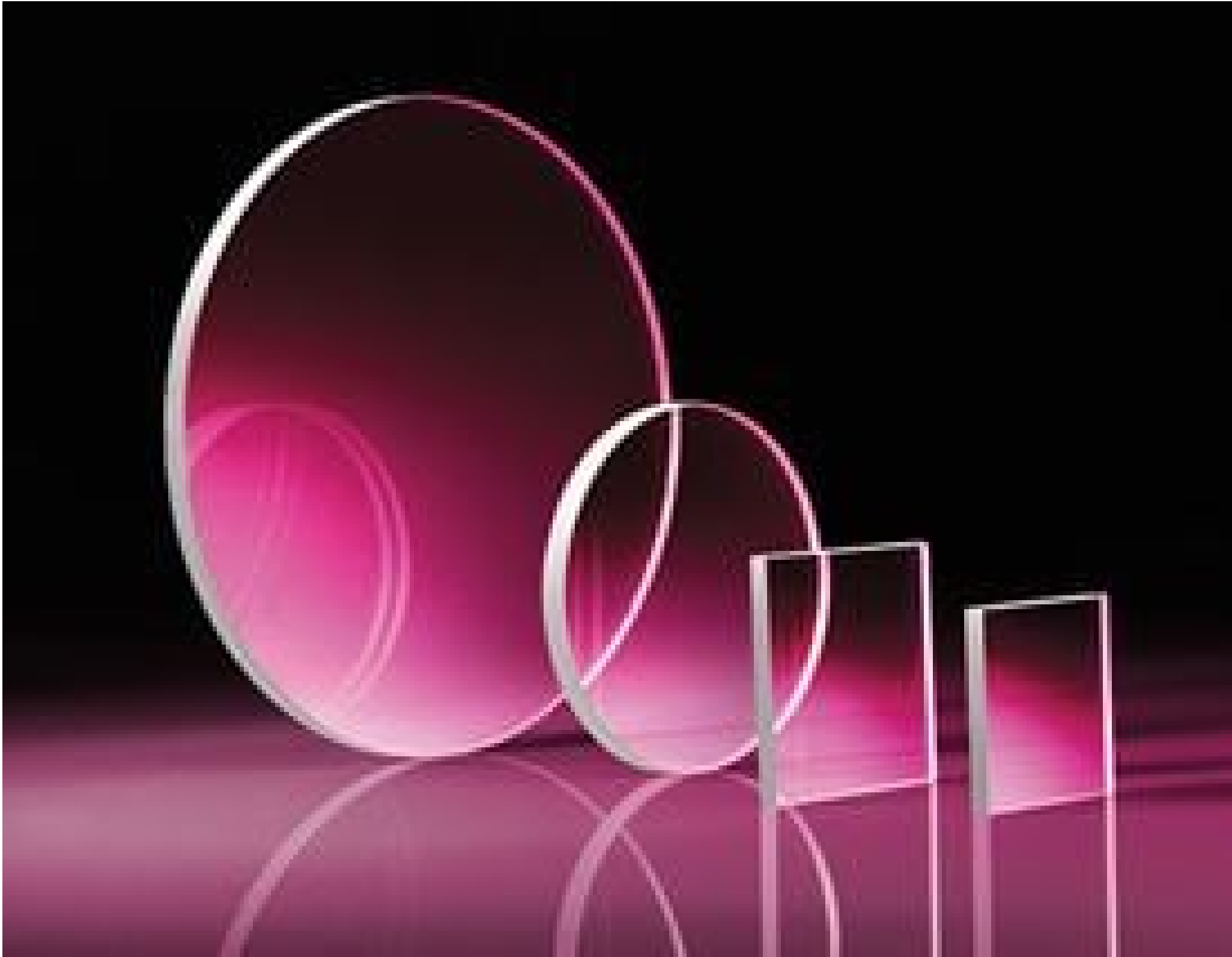


TECHSPEC® 50mm Diameter MgF₂ Coated, B270 Window

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Abbe Number (v_d):
58.3

Bevel:
Protective as needed

Clear Aperture CA (mm):
45.00

Diameter (mm): 50.00 ±0.25
Thickness (mm): 3.00
Coating: MgF₂ (632.8nm)
Coating Specification: R_{avg} ≤1.50% @ 632.8nm (N-BK7)
Coefficient of Thermal Expansion CTE (10⁻⁶/°C): 9.4 (+20 to +300°C)
Density (g/cm³): 2.56
Edges: Fine Ground
Index of Refraction n_d: 1.523
Knoop Hardness (kg/mm²): 500
Poisson's Ratio: 0.22
Substrate: B270
Surface Flatness (P-V): 1λ
Surface Quality: 60-40
Type: Protective Window
Wavelength Range (nm): 400 - 700
Young's Modulus (GPa): 71.5
Damage Threshold, By Design: ☐ 10 J/cm² @ 532nm, 10ns

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View
Reach 240: Compliant