

50.8mm Dia., 6mm Thick, 30' Wedge, BBAR (2000-5000nm) Coated, ISP Optics Barium Fluoride (BaF₂) Wedged Window

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Barium Fluoride (BaF₂) Wedged Windows



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Abbe Number (v_d):
81.78

Axis Orientation:
Random

Bevel: Protective as needed
Clear Aperture (%) : 85
Clear Aperture CA (mm) : 43.18
Diameter (mm) : 50.80 +0.0/-0.13
Thickness (mm) : 6.00 ±0.13
Coating: BBAR (2000-5000nm)
Coating Specification: R _{avg} <1.5% @ 2000-5000nm R _{abs} <3.0% @ 2000-5000nm R _{avg} <1.75% @ 2000-4000nm
Coefficient of Thermal Expansion CTE (10⁻⁶/°C) : 18.1
Density (g/cm³) : 4.89
Edges: Fine Ground
Index of Refraction n_d : 1.478 @ 0.5µm 1.451 @ 5µm 1.401 @ 10µm
Knoop Hardness (kg/mm²) : 82
Poisson's Ratio : 0.343
Substrate: Barium Fluoride (BaF₂)
Surface Flatness (P-V) : 2λ @ 633nm
Surface Quality : 60-40
Type: Protective Window
Wavelength Range (nm) : 2000 - 5000
Young's Modulus (GPa) : 53
Wedge Angle : 30±15 arcmin

Regulatory Compliance

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