

50.8mm Dia., 6mm Thick, 30' Wedge, ISP Optics Barium Fluoride (BaF₂) Wedged Window | BF-WW-50-6

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Barium Fluoride (BaF₂) Wedged Windows



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Abbe Number (v_d):
81.78

Bevel:
Protective as needed

Clear Aperture (%):

85
Clear Aperture CA (mm): 43.18
Diameter (mm): 50.80 +0.00/-0.13
Thickness (mm): 6.00 ±0.13
Coating: Uncoated
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): 200 - 12000
Young's Modulus (GPa): 53
Wedge Angle: 30±15 arcmin
Model Number: BF-WW-50-6

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View