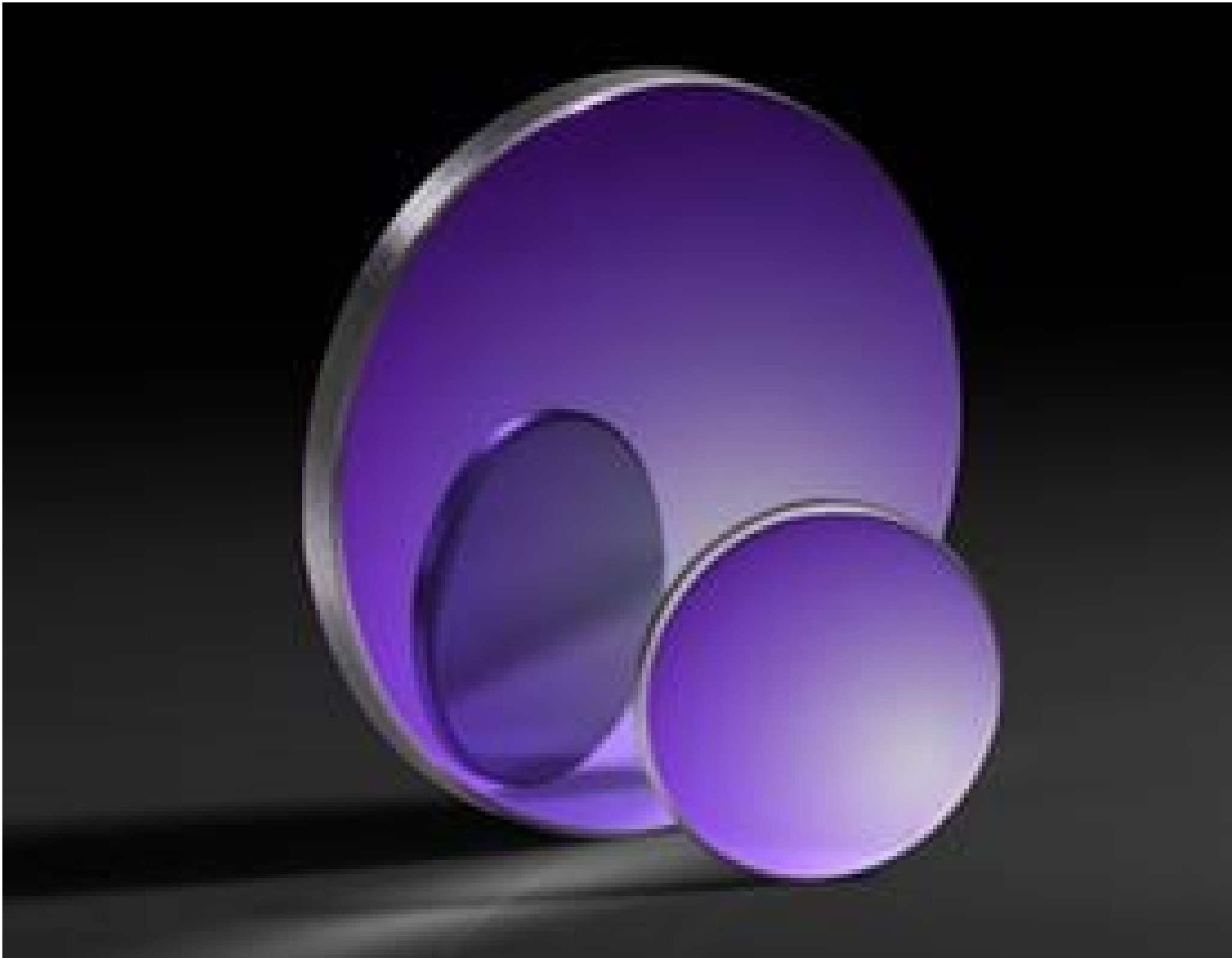


12.7mm Dia., 1mm Thick, Uncoated, ISP Optics Gallium Arsenide (GaAs) Window | GA-W-12-1

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Gallium Arsenide (GaAs) Windows

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Bevel:
Protective as needed

Clear Aperture (%):
85

Clear Aperture CA (mm):
10.80

Diameter (mm): 12.70 +0.00/-0.13
Thickness (mm): 1.00 ±0.13
Coating: Uncoated
Coefficient of Thermal Expansion CTE (10⁻⁶/°C): 5.39 (0 to +30°C)
Density (g/cm³): 5.32
Edges: Fine Ground
Index of Refraction n_d: 3.293 @ 7µm 3.279 @ 10µm 3.267 @ 12µm
Knoop Hardness (kg/mm²): 750
Parallelism (arcmin): <3
Poisson's Ratio: 0.31
Substrate: Gallium Arsenide (GaAs)
Surface Flatness (P-V): λ/10 @ 10.6µm
Surface Quality: 60-40
Type: Protective Window
Wavelength Range (nm): 1000 - 16000
Young's Modulus (GPa): 85
Model Number: GA-W-12-1

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View