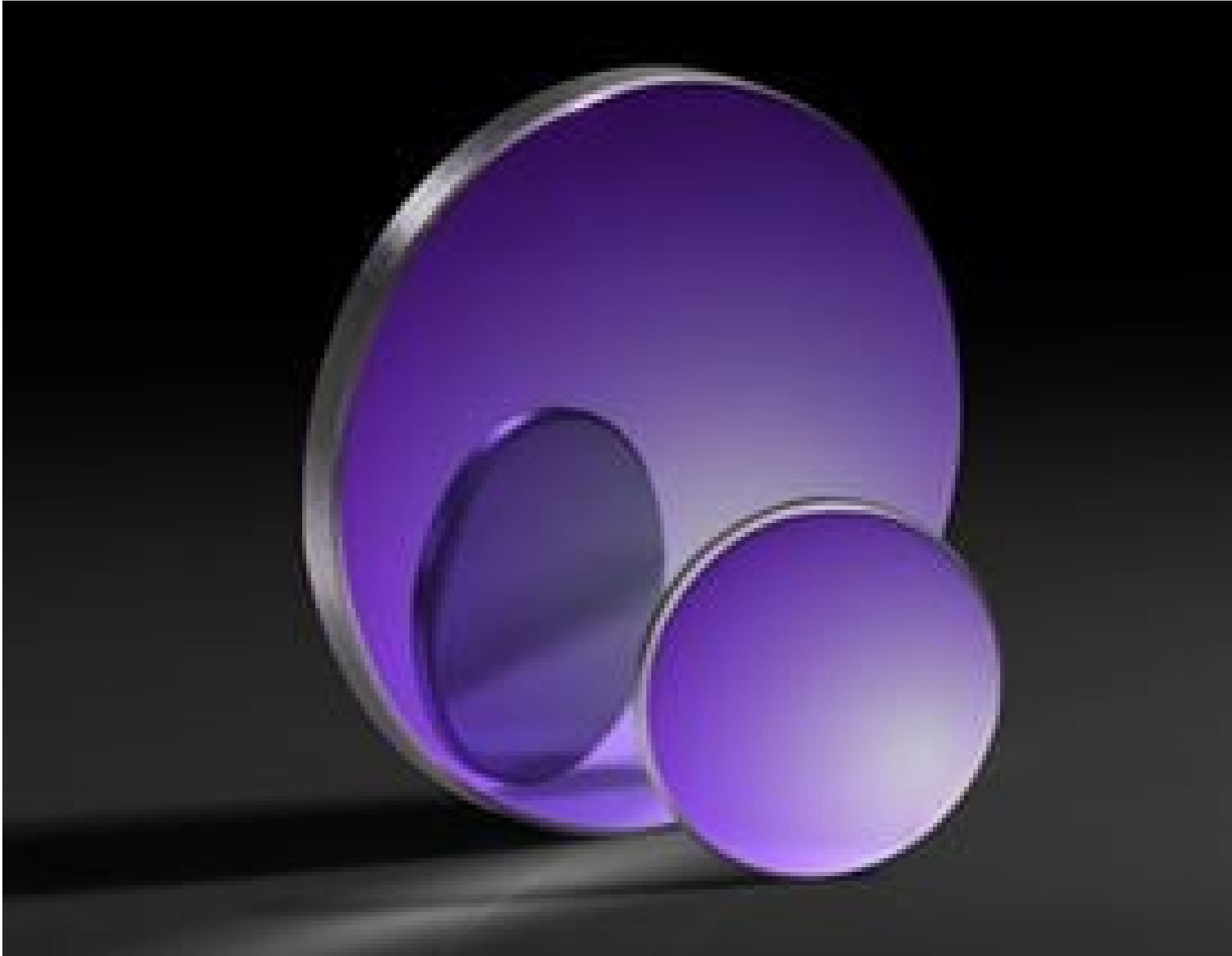


12.7mm Dia., 1mm Thick, Uncoated, ISP Optics Gallium Arsenide (GaAs) Window | GA-W-12-1

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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

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

## Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |