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25.4mm Dia., 3mm Thick, Uncoated, ISP Optics Potassium Bromide (KBr) Window | KB-W-25-3

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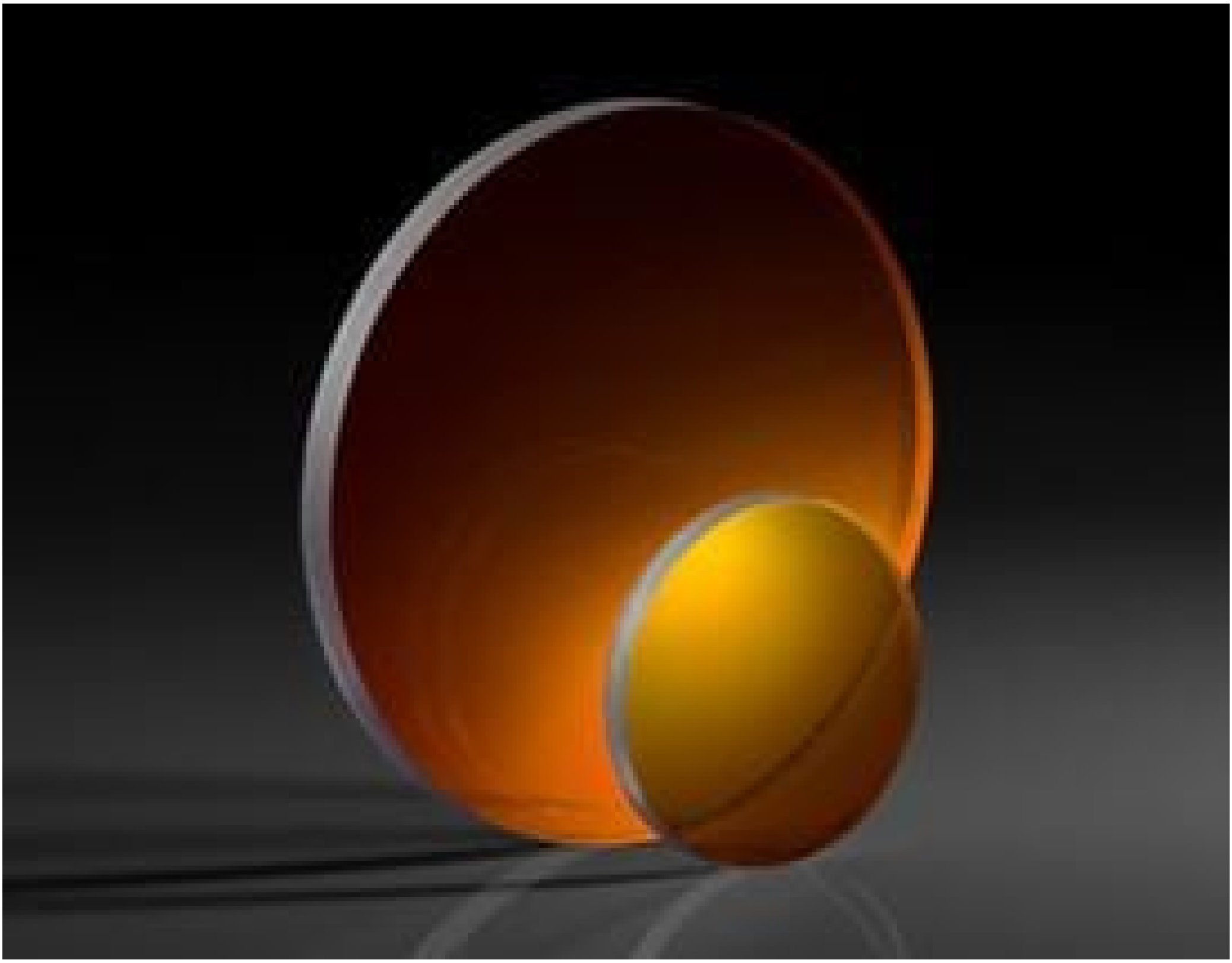

Stock **#24-610** CLEARANCE **4 In Stock**

- 1 + **A$184**.00

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General

Model Number:
KB-W-25-3

Type:
Protective Window

Physical & Mechanical Properties

Clear Aperture CA (mm):
21.59

Diameter (mm):
25.40 +0.00/-0.13

Thickness (mm):
3.00 ±0.13

Parallelism (arcmin):
<3

Bevel:
Protective as needed

Clear Aperture (%):
85

Edges:
Fine Ground

Poisson's Ratio:
0.20

Young's Modulus (GPa):
26.8

Knoop Hardness (kg/mm^2):
7.00

Optical Properties

Coating:
Uncoated

Substrate:
Potassium Bromide (KBr)

Index of Refraction (n_d):
1.56

Surface Quality:
60-40

Abbe Number (v_d):
33.64

Wavelength Range (nm):
250 - 26000

Surface Flatness (P-V):
λ10 @ 10.6µ

Material Properties

Density (g/cm^3):
2.753

Coefficient of Thermal Expansion CTE (10^{-6}/°C):
43

Solubility, in 100g of H_2O @ 273K (g):
53.48

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 240:
Compliant

Product Details

- Excellent Transmission from 0.25 – 26µm
- Good Resistance to Mechanical Shock
- Ideal for FTIR Spectroscopy

ISP Optics Potassium Bromide (KBr) Windows feature excellent transmission across a broad wavelength range from the Deep UV (DUV) to the Long-Wave Infrared (LWIR). These windows are highly resistant to mechanical shock, can be easily cleaved, and can be used in temperatures up to 300°C. Potassium Bromide is water soluble and it should be protected from exposure to moisture and high humidity as it will degrade the surface of the window. ISP Optics Potassium Bromide (KBr) Windows can be used for a wide range of applications in the UV, Visible, MWIR, and LWIR spectra, but is particularly useful for Fourier Transform Infrared (FTIR) spectroscopy.

Note: Potassium Bromide (KBr) is water soluble and must be protected from humid or wet environments.

Special Handling

These optics require special handling to avoid damage and ensure long-term performance. Proper handling, cleaning, and storage are essential to maintain optical quality. Explore our **Optics Cleaning Resources** for step-by-step guides and best practices. For personalized assistance, **Email us** or **Chat** with our technical support team.

Component Handling Tools