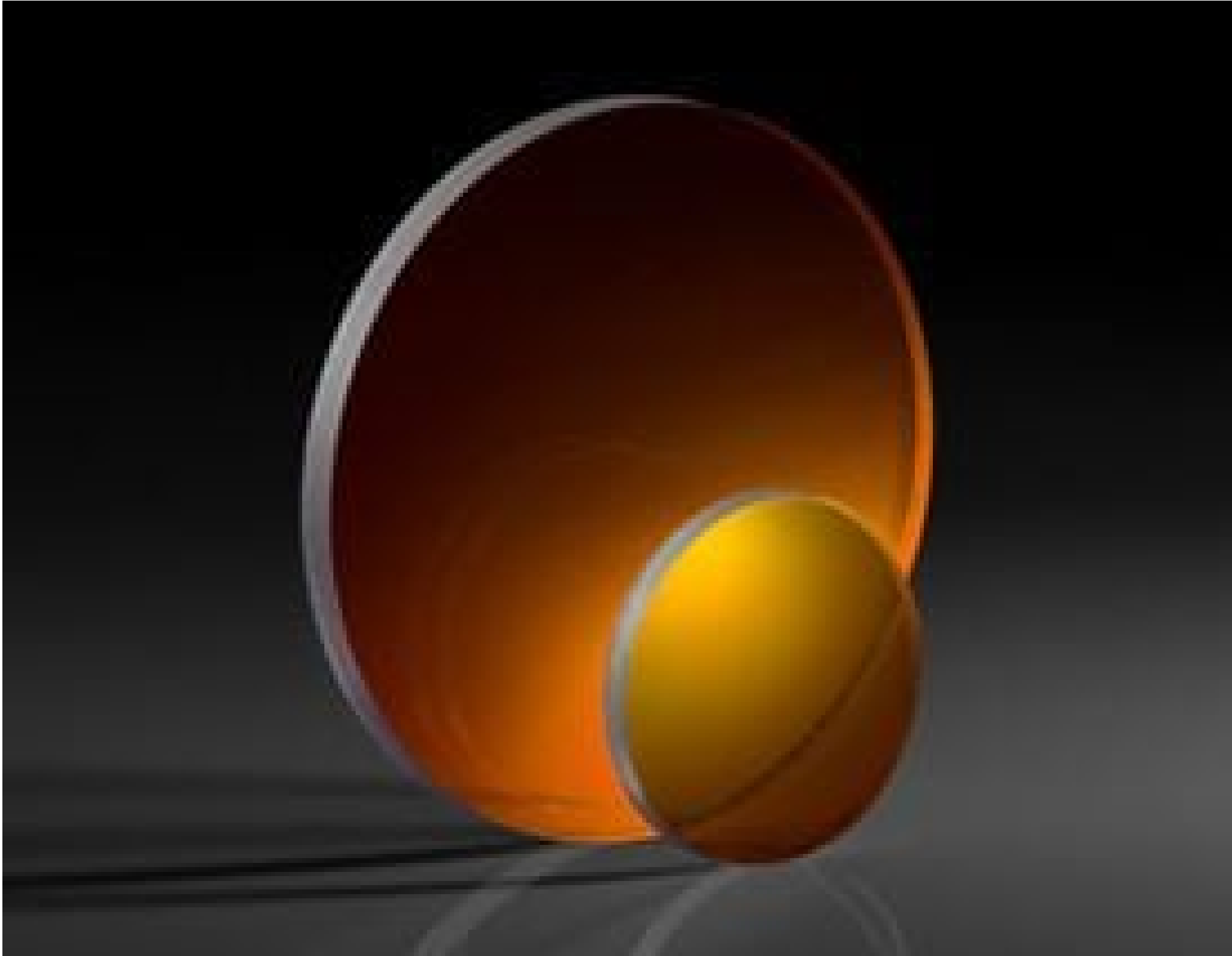


25.4mm Dia., 4mm Thick, Uncoated, ISP Optics Potassium Bromide (KBr) Window | KB-W-25-4

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Stock **#24-611**

CLEARANCE

3-4 DAYS

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€157⁵⁰

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SPECIFICATIONS

General

Protective Window	Type:
KB-W-25-4	Model Number:
Physical & Mechanical Properties	
Protective as needed	Bevel:
85	Clear Aperture (%):
21.59	Clear Aperture CA (mm):
25.40 +0.00/-0.13	Diameter (mm):
4.00 ±0.13	Thickness (mm):
Fine Ground	Edges:
7	Knoop Hardness (kg/mm²):
<3	Parallelism (arcmin):
0.203	Poisson's Ratio:
26.8	Young's Modulus (GPa):
Optical Properties	
33.64	Abbe Number (v _d):
Uncoated	Coating:
1.56	Index of Refraction (n _d):
Potassium Bromide (KBr)	Substrate:
λ/10 @ 10.6μ	Surface Flatness (P-V):
60-40	Surface Quality:
250 - 26000	Wavelength Range (nm):
Material Properties	
43	Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):
2.753	Density (g/cm³):
53.48	Solubility, in 100g of H ₂ O @ 273K (g):
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 240:

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, MMR, 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.