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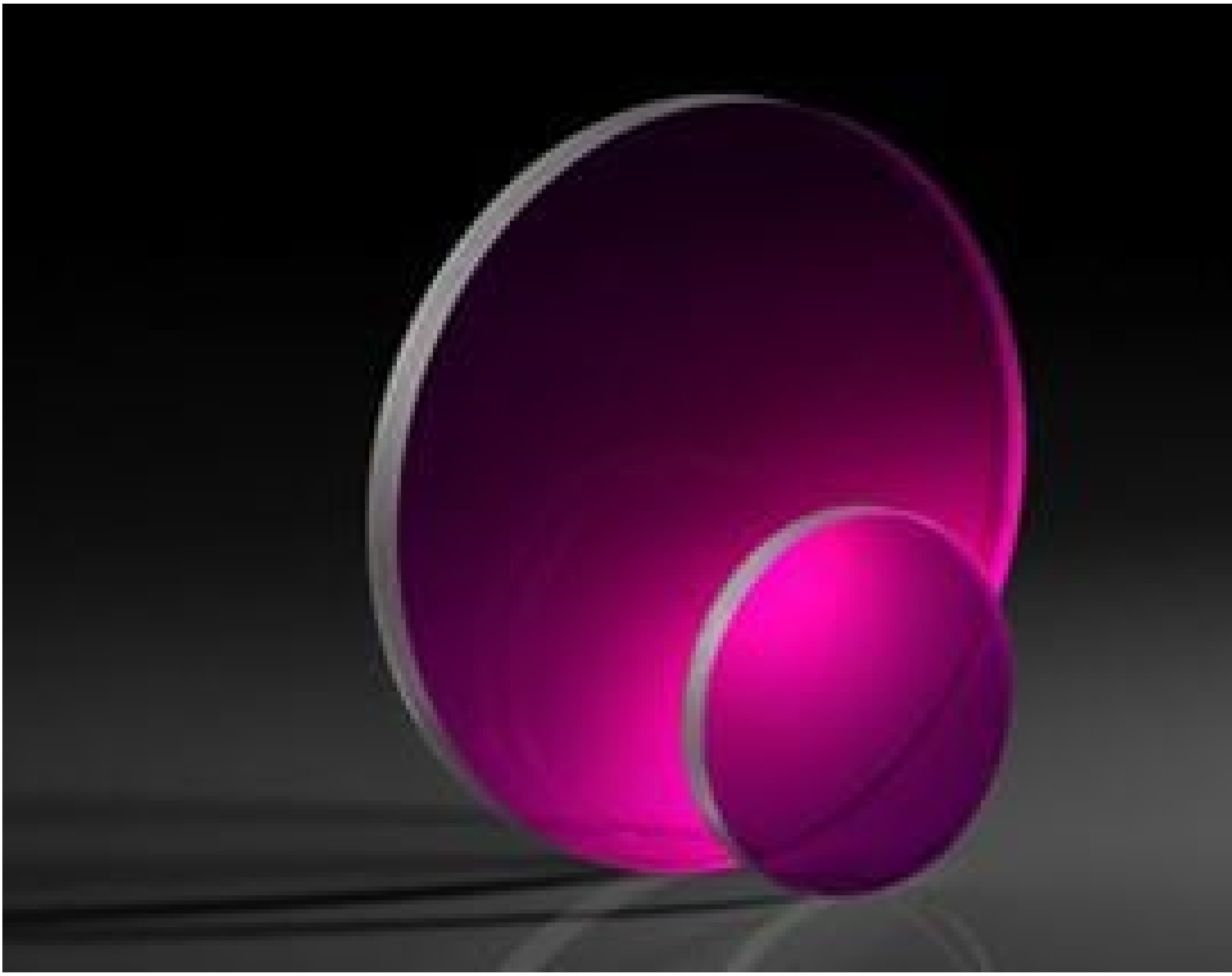
13mm Dia x 2mm Thickness Uncoated, Potassium Bromide Window



Stock **#68-805** **3 In Stock**

- 1 + **£70.80**

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Volume Pricing	
Qty 1-10	**£70.80** each
Qty 11-25	**£63.60** each
Qty 26-49	**£60.40** each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Protective Window

Type of Window:
Crystal

Physical & Mechanical Properties

Diameter (mm):
13.00 ±0.50

Thickness (mm):
2.00 ±0.50

Dimensional Tolerance (mm):
±0.50

Bevel:
Protective as needed

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

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

Reach 219:
Compliant

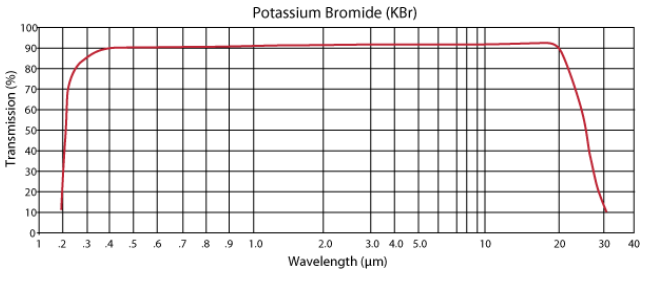
Certificate of Conformance:
View

Product Details

- Excellent Transmission from 250nm – 26µm
- Good Resistance to Mechanical Shock
- Ideal for FTIR Spectroscopy
- **Sodium Chloride (NaCl) Windows** Also Available

Potassium Bromide (KBr) Windows are ideal for FTIR spectroscopy. KBr has a slightly more extensive spectral range than Sodium Chloride (NaCl) and has excellent transmission from 250nm – 26µm. Its index of refraction varies from 1.46 - 1.59 over this range. KBr is water soluble, and its surfaces should be protected from exposure to moisture. Exposure to moisture will degrade the surface of the window. Potassium Bromide (KBr) Windows provide good resistance to mechanical shock, can be easily cleaved, and can be used in temperatures up to 300°C. KBr has a density of 2.75g/cm3 and a Knoop Hardness of 7.0.

Technical Information



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

Compatible Mounts

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