25mm Dia x 2mm Thickness Uncoated, Potassium Bromide Window
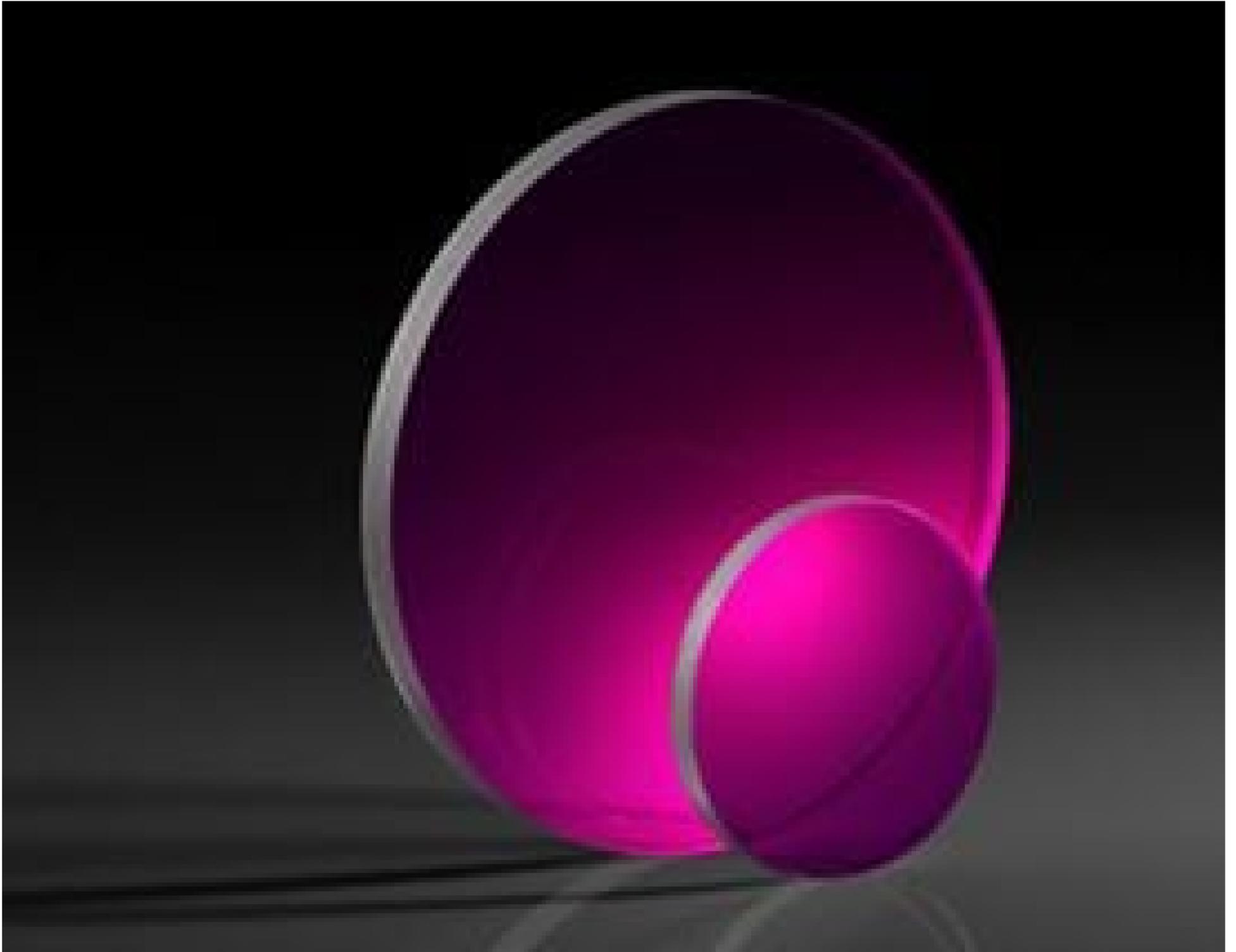
Stock **#68-807**   **10 In Stock**

− 1 +   A$166.⁴⁰

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Volume Pricing	
Qty 1-10	**A$166.40** each
Qty 11-25	**A$148.80** each
Qty 26-49	**A$140.00** each
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Product Downloads

General

Type:
Protective Window

Physical & Mechanical Properties

Bevel:
Protective as needed

Diameter (mm):
25.00 ±0.50

	Thickness (mm):
2.00 ±0.50	
	Edges:
Fine Ground	
	Knoop Hardness (kg/mm^2):
7.00	
	Poisson's Ratio:
0.20	
	Young's Modulus (GPa):
26.8	

Optical Properties

	Abbe Number (v_d):
33.64	
	Coating:
Uncoated	
	Index of Refraction (n_d):
1.56	
	Substrate:
Potassium Bromide (KBr)	
	Surface Quality:
60-40	
	Wavelength Range (nm):
250 - 26000	

Material Properties

	Coefficient of Thermal Expansion CTE (10^{-6}/°C):
43	
	Density (g/cm^3):
2.753	
	Solubility, in 100g of H$_2$O @ 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

Potassium Bromide (KBr)
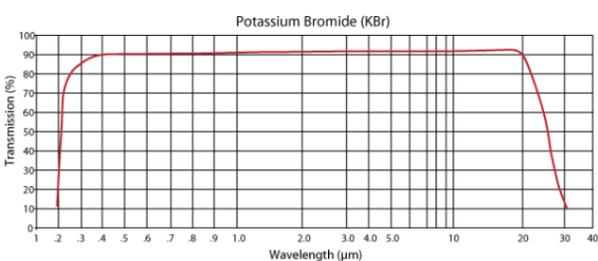
Special Handling

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