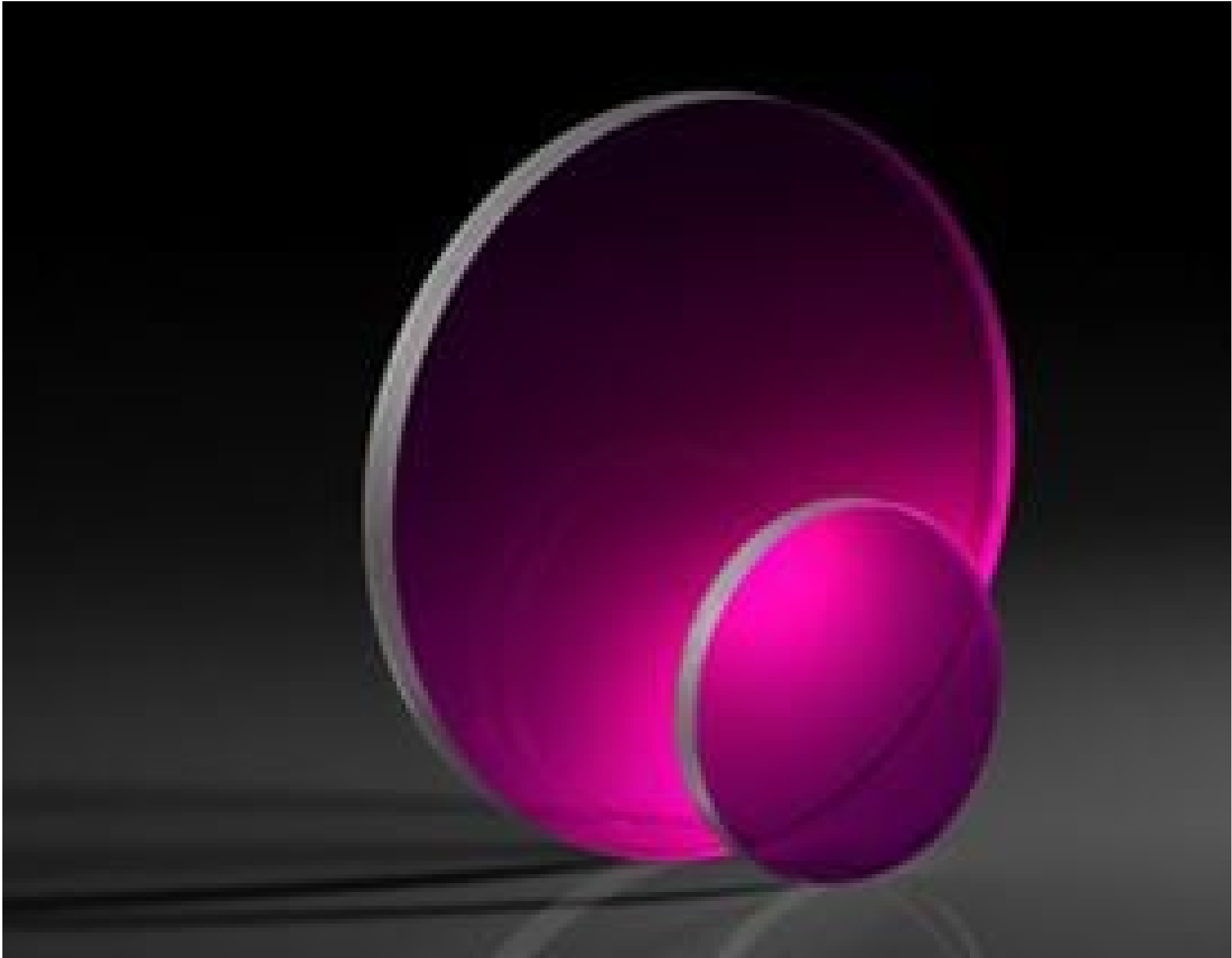


50mm Dia x 3mm Thickness Uncoated, Potassium Bromide Window



Stock **#68-811** 6 In Stock

-

1

+

€301^{.00}

ADD TO CART

Volume Pricing	
Qty 1-10	€301,00 each
Qty 11-25	€271,00 each
Qty 26-49	€255,00 each
Need More?	Request Quote

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 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Protective Window

Physical & Mechanical Properties

Bevel:

Protective as needed

Diameter (mm):

50.00 ±0.50

3.00 ±0.50	Thickness (mm):
Fine Ground	Edges:
7.00	Knoop Hardness (kg/mm²):
0.20	Poisson's Ratio:

26.8	Young's Modulus (GPa):
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Optical Properties

33.64	Abbe Number (v _d):
Uncoated	Coating:

1.56	Index of Refraction (n _d):
Potassium Bromide (KBr)	Substrate:

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):
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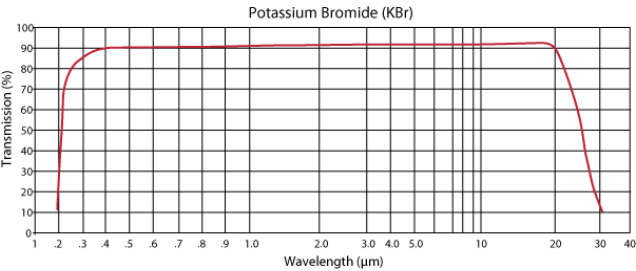
Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 240:

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
