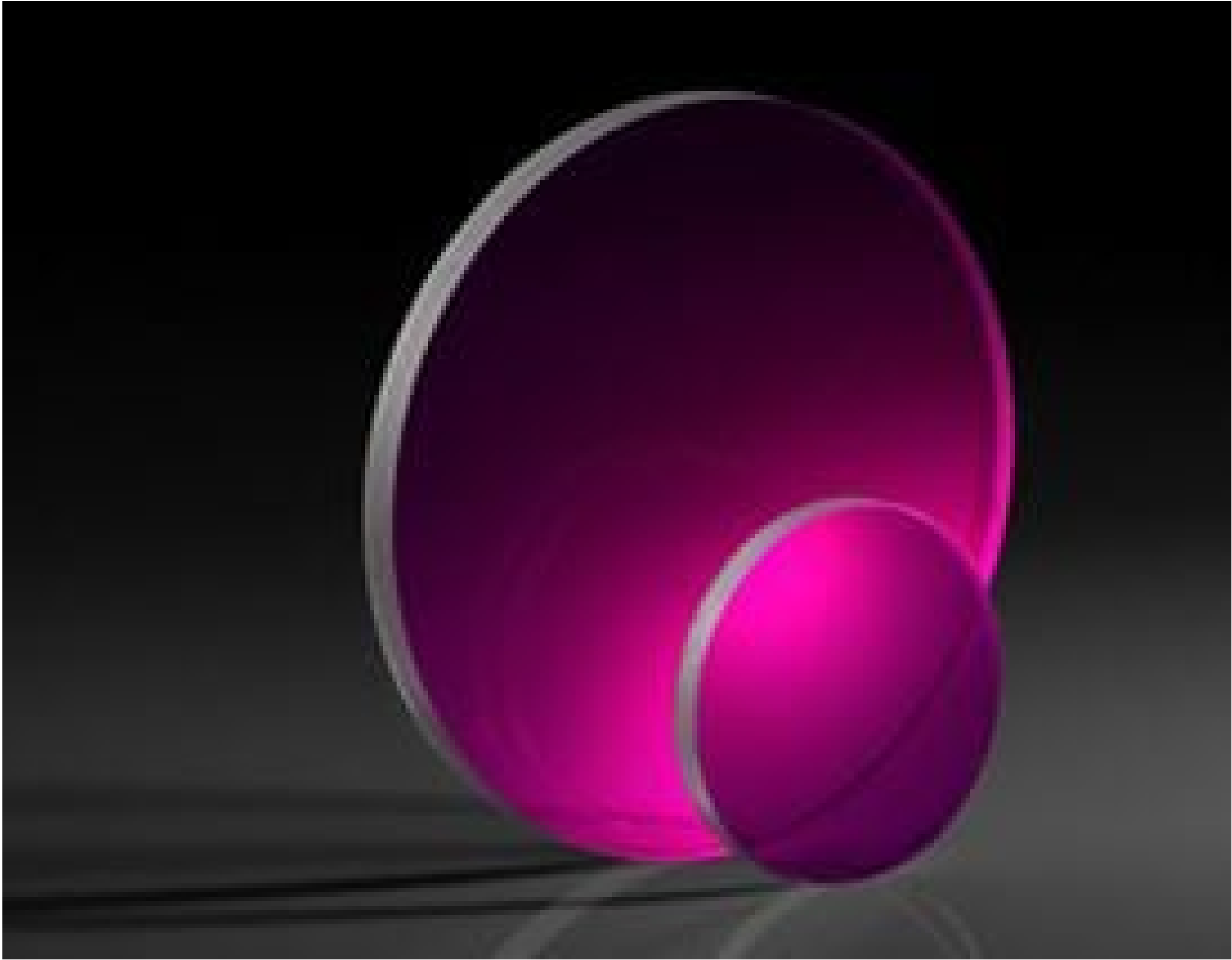


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50mm Dia x 3mm Thickness Uncoated, Potassium Bromide Window



Stock **#68-811** **5 In Stock**

-

1

+

₹20,245

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Volume Pricing	
Qty 1-10	₹20,245 each
Qty 11-25	₹18,191 each
Qty 26-49	₹17,164 each
Need More?	Request Quote

Product Downloads

General	
Protective Window	Type:
Physical & Mechanical Properties	
Protective as needed	Bevel:
50.00 ±0.50	Diameter (mm):

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):

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):

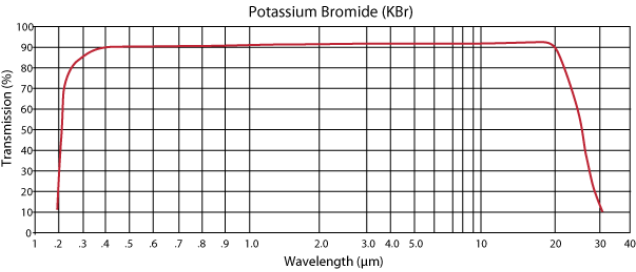
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 240:
United States	Country of Origin:
Edmund Optics India Private Limited	Importer:

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
