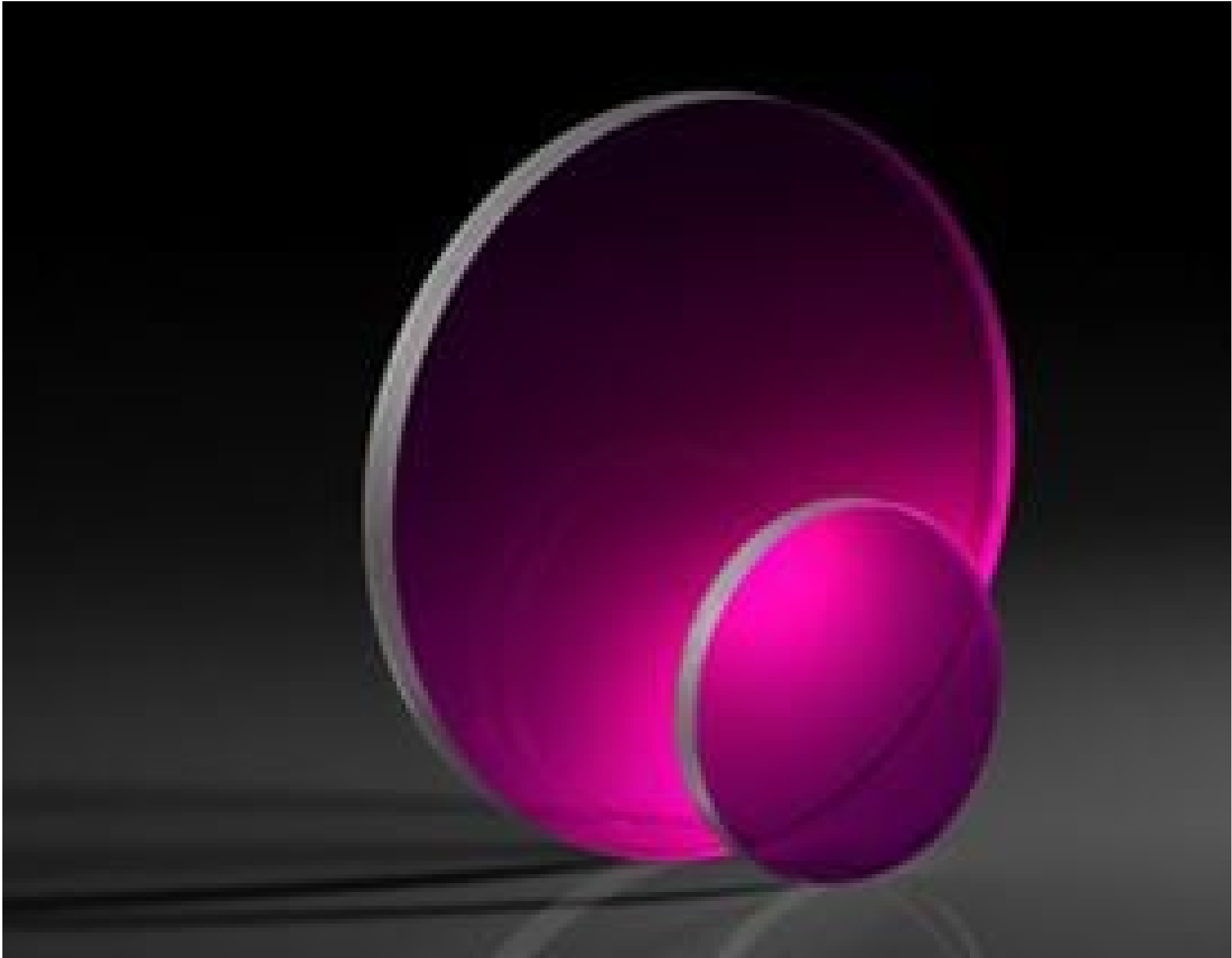


50mm Dia x 3mm Thickness Uncoated, Potassium Bromide Window



Stock **#68-811** 3 In Stock

-

1

+

S\$421^{.40}

ADD TO CART

Volume Pricing	
Qty 1-10	S\$421.40 each
Qty 11-25	S\$379.40 each
Qty 26-49	S\$357.00 each
Need More?	Request Quote

Product Downloads

General	
Protective Window	Type:
Physical & Mechanical Properties	
50.00 ±0.50	Diameter (mm):
3.00 ±0.50	Thickness (mm):

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/mm²):	
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/cm³):	
2.753	
Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):	
43	
Solubility, in 100g of H ₂ O @ 273K (g):	
53.48	

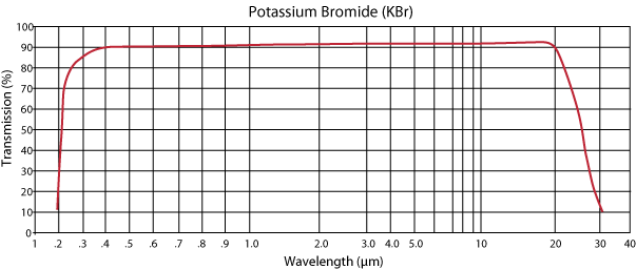
Regulatory Compliance	
RoHS 2015:	
Compliant	
Certificate of Conformance:	
View	
Reach 240:	
Compliant	

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

;