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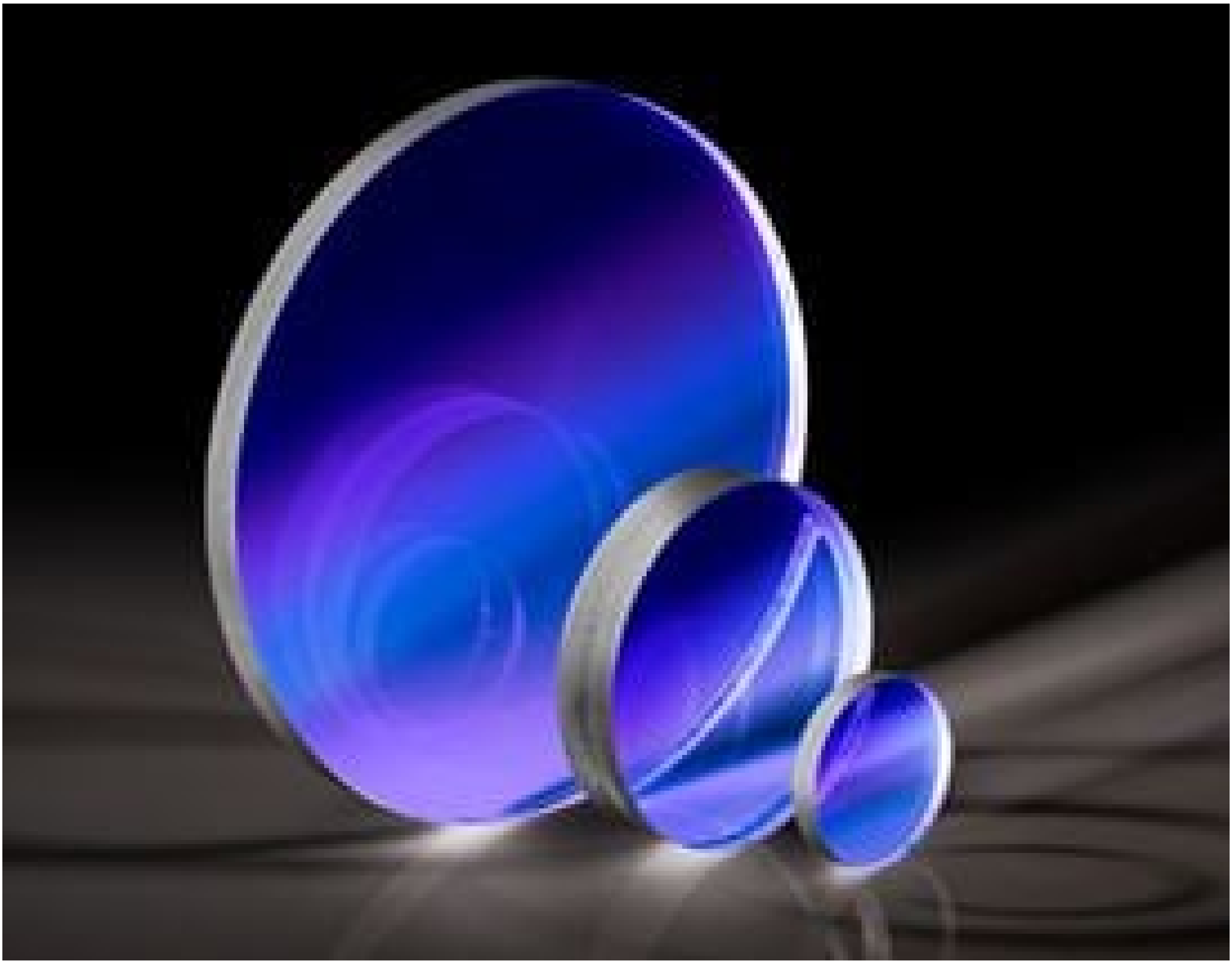
13mm Dia. x 1mm Thickness Uncoated, Sodium Chloride Window



Stock **#68-812** **5 In Stock**

- 1 + **C$90.30**

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Volume Pricing	
Qty 1-10	**C$90.30** each
Qty 11-25	**C$81.20** each
Qty 26-49	**C$76.30** each
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Product Downloads

General

Type:

Protective Window

Physical & Mechanical Properties

Diameter (mm):

13.00 ±0.50

Thickness (mm):

1.00 ±0.50

Dimensional Tolerance (mm):
±0.50

Bevel:
Protective as needed

Edges:
Fine Ground

Poisson's Ratio:
0.25

Young's Modulus (GPa):
39.98

Knoop Hardness (kg/mm^2):
18.20

Optical Properties

Coating:
Uncoated

Substrate:
Sodium Chloride (NaCl)

Index of Refraction (n_d):
1.544

Surface Quality:
60-40

Abbe Number (v_d):
42.89

Wavelength Range (nm):
250 - 16000

Material Properties

Density (g/cm^3):
2.17

Coefficient of Thermal Expansion CTE (10^{-6}/°C):
44

Solubility, in 100g of H_2O @ 273K (g):
35.70

Regulatory Compliance

RoHS 2015:
Compliant

Reach 219:
Compliant

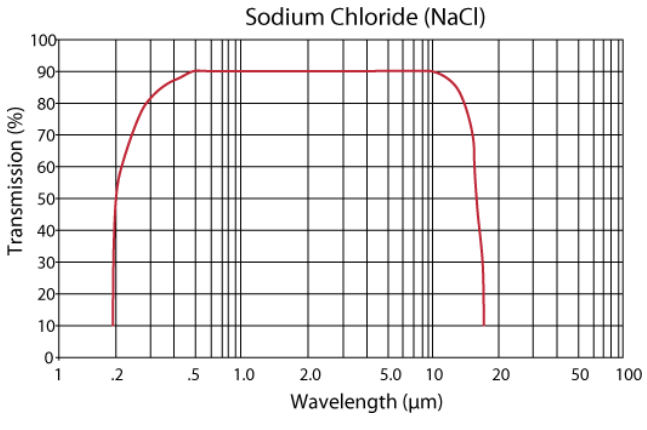
Certificate of Conformance:
View

Product Details

- Excellent Transmission from 250nm – 16µm
- Low Cost
- Ideal for FTIR Spectroscopy
- **Potassium Bromide (KBr) Windows** Also Available

Sodium Chloride (NaCl) Windows are ideal for FTIR spectroscopy. Sodium Chloride (NaCl) is a material commonly used in FTIR spectroscopy. NaCl is a relatively low-cost cubic crystalline material that has excellent transmission from 250nm – 16µm. Sodium Chloride (NaCl) Windows, over this large spectral range, have an index of refraction that ranges between 1.4 - 1.6. It is hygroscopic by nature and thus samples should not contain water. The windows are sensitive to thermal shock but can be used in temperatures up to 400°C. NaCl has a density of 2.17 g/cm3 and a Knoop Hardness of 18.2.

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