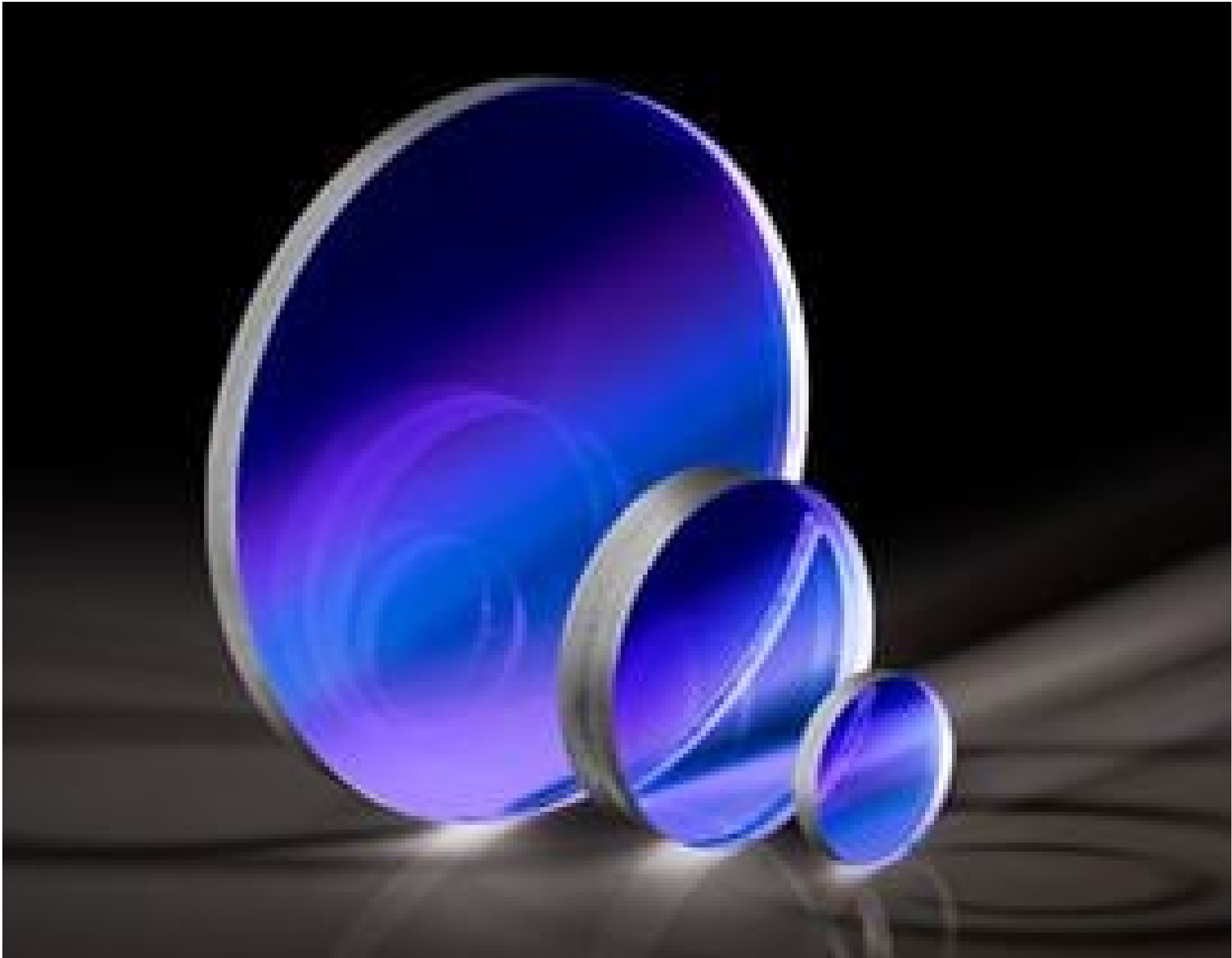


13mm Dia. x 1mm Thickness Uncoated, Sodium Chloride Window



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

-

1

+

S\$88^{.12}

ADD TO CART

Volume Pricing	
Qty 1-10	S\$88.12 each
Qty 11-25	S\$79.16 each
Qty 26-49	S\$74.68 each
Need More?	Request Quote

Product Downloads

SPECIFICATIONS

General

Protective Window

Type:

Physical & Mechanical Properties

Protective as needed	Bevel:
13.00 ±0.50	Diameter (mm):
1.00 ±0.50	Thickness (mm):
Fine Ground	Edges:
18.20	Knoop Hardness (kg/mm ²):
0.25	Poisson's Ratio:
39.98	Young's Modulus (GPa):

Optical Properties

42.89	Abbe Number (v _d):
Uncoated	Coating:
1.544	Index of Refraction (n _d):
Sodium Chloride (NaCl)	Substrate:
60-40	Surface Quality:
250 - 16000	Wavelength Range (nm):

Material Properties

44	Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):
2.17	Density (g/cm ³):
35.70	Solubility, in 100g of H ₂ O @ 273K (g):

Regulatory Compliance

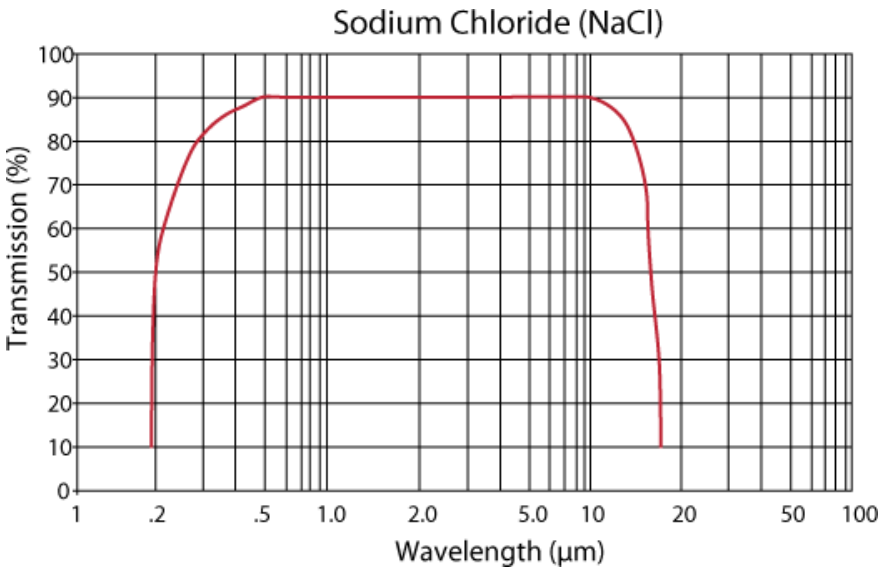
Compliant	RoHS 2015:
Compliant	Reach 219:
View	Certificate of Conformance:

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
