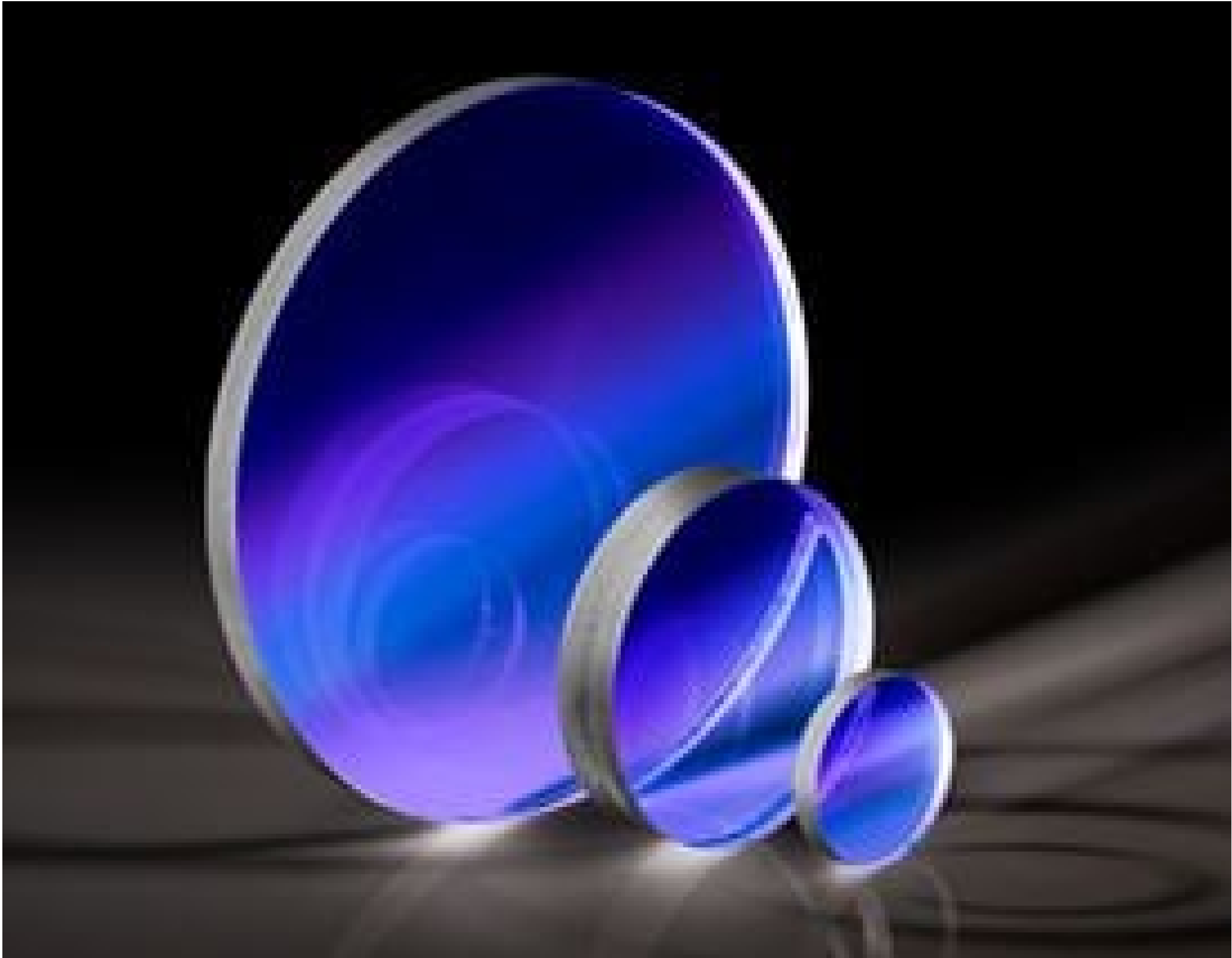


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## 50mm Dia. x 3mm Thickness Uncoated, Sodium Chloride Window



Stock **#68-819** [CONTACT US](#)

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₹14,523

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | ₹14,523 each                  |
| Qty 11-25      | ₹13,056 each                  |
| Qty 26-49      | ₹12,323 each                  |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

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

|                      |                                       |
|----------------------|---------------------------------------|
| ±0.50                | Dimensional Tolerance (mm):           |
| Protective as needed | Bevel:                                |
| Fine Ground          | Edges:                                |
| 0.25                 | Poisson's Ratio:                      |
| 39.98                | Young's Modulus (GPa):                |
| 18.20                | Knoop Hardness (kg/mm <sup>2</sup> ): |

|                        |                                        |
|------------------------|----------------------------------------|
| Optical Properties     |                                        |
| Uncoated               | Coating:                               |
| Sodium Chloride (NaCl) | Substrate: <input type="checkbox"/>    |
| 1.544                  | Index of Refraction (n <sub>d</sub> ): |
| 60-40                  | Surface Quality:                       |
| 42.89                  | Abbe Number (v <sub>d</sub> ):         |
| 250 - 16000            | Wavelength Range (nm):                 |

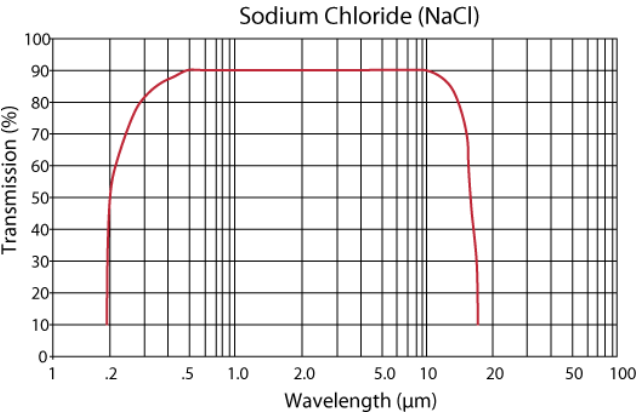
|                     |                                                              |
|---------------------|--------------------------------------------------------------|
| Material Properties |                                                              |
| 2.17                | Density (g/cm <sup>3</sup> ):                                |
| 44                  | Coefficient of Thermal Expansion CTE (10 <sup>-6</sup> /°C): |
| 35.70               | Solubility, in 100g of H <sub>2</sub> O @273K (g):           |

|                                     |                             |
|-------------------------------------|-----------------------------|
| Regulatory Compliance               |                             |
| <a href="#">Compliant</a>           | RoHS 2015:                  |
| <a href="#">View</a>                | Certificate of Conformance: |
| <a href="#">Compliant</a>           | Reach 240:                  |
| United States                       | Country of Origin:          |
| Edmund Optics India Private Limited | Imported By:                |

## 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

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