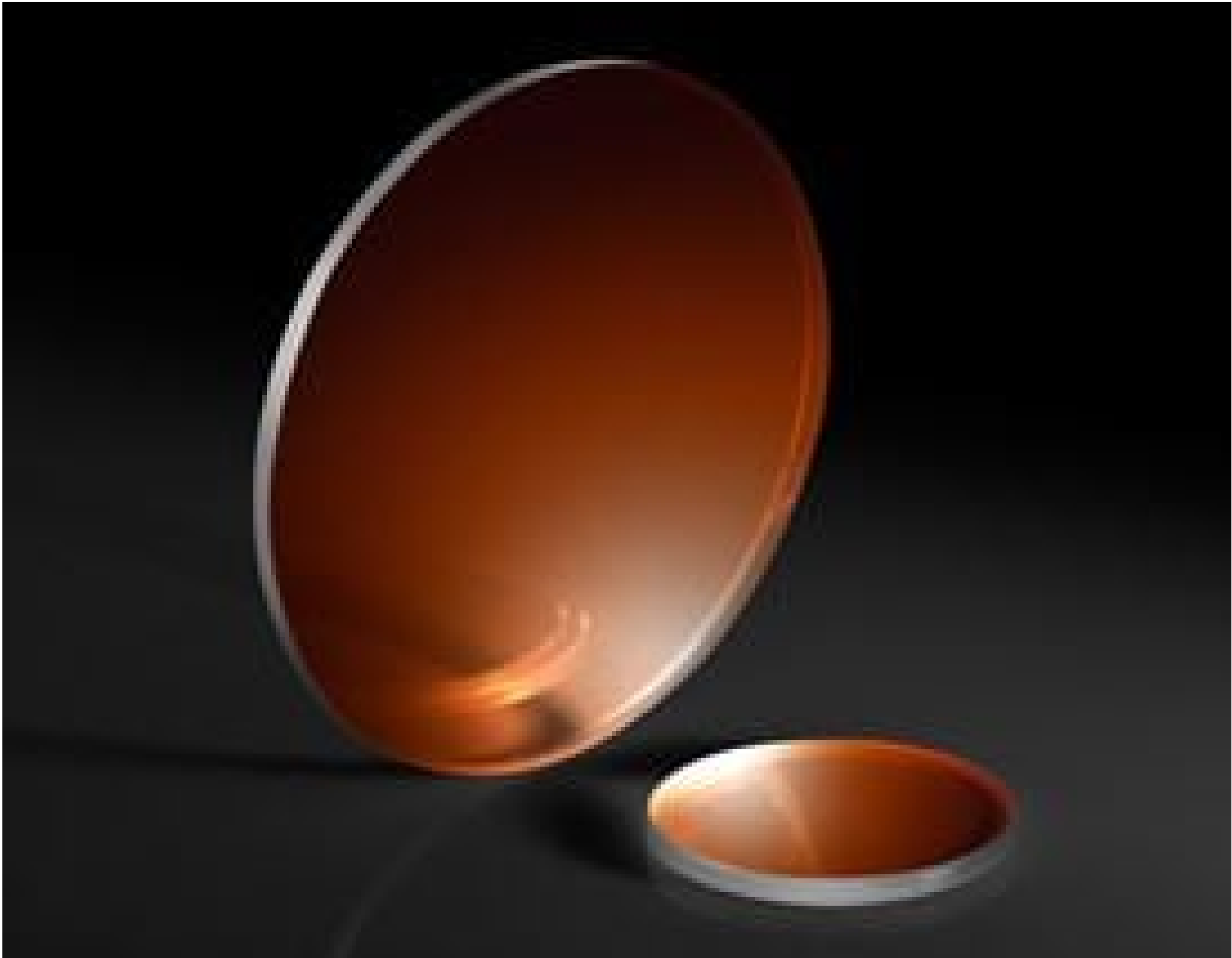


TECHSPEC[®] 12.7mm Dia., 1mm Thick, Uncoated, Lithium Fluoride (LiF) Window



Lithium Fluoride (LiF) Windows

Stock **#16-804** 2 In Stock

-

1

+

S\$326²⁰

ADD TO CART

Volume Pricing	
Qty 1-10	S\$326.20 each
Qty 11-25	S\$294.00 each
Qty 26-49	S\$277.20 each
Need More?	Request Quote

Product Downloads

SPECIFICATIONS

General

Type:
Protective Window

Physical & Mechanical Properties

Protective as needed	Bevel:
85	Clear Aperture (%):
10.80	Clear Aperture CA (mm):
12.70 +0.00/-0.13	Diameter (mm):
1.00 ±0.13	Thickness (mm):
Fine Ground	Edges:
102.00	Knoop Hardness (kg/mm²):
<3	Parallelism (arcmin):
0.33	Poisson's Ratio:
64.97	Young's Modulus (GPa):
Optical Properties	
97.29	Abbe Number (v _d):
Random	Axis Orientation:
Uncoated	Coating:
1.392 @ 0.6µm	Index of Refraction (n _d):
Lithium Fluoride (LiF)	Substrate:
2λ @ 632.8nm	Surface Flatness (P-V):
60-40	Surface Quality:
150 - 6000	Wavelength Range (nm):
Material Properties	
37	Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):
2.64	Density (g/cm³):
Regulatory Compliance	
View	Certificate of Conformance:

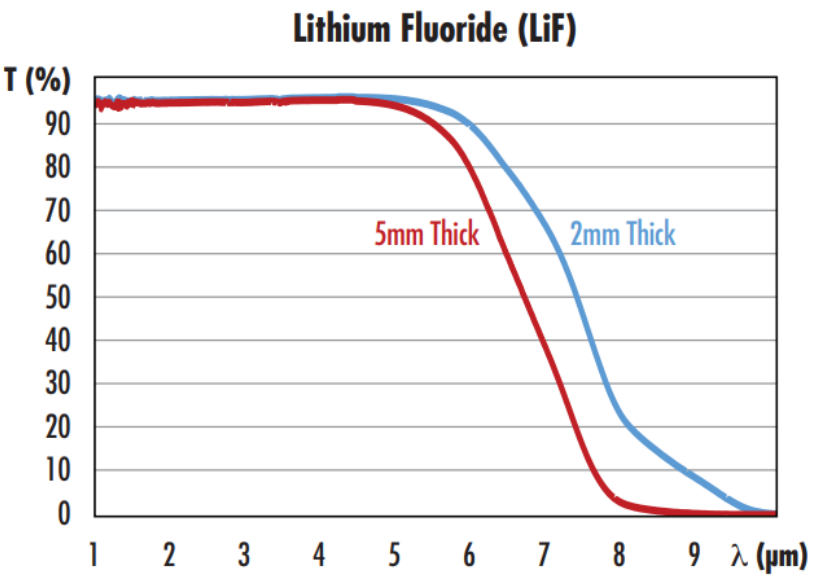
PRODUCT DETAILS

- High Transmission from 150nm - 6µm
- Excellent Vacuum UV (VUV) Transmission
- Low Index of Refraction

Lithium Fluoride (LiF) Wndows provide high, flat transmission from 150nm to 6µm. Lithium fluoride has excellent transmission in the vacuum ultraviolet (VUV) wavelength range of 150 - 200nm. Lithium fluoride also has a low index of refraction, allowing these windows to be used without an anti-reflection (AR) coating. Lithium Fluoride (LiF) Windows are ideal for use as UV transmission windows in spectroscopy applications, as a diffracting element in X-ray spectrometry, or as infrared windows for thermal imaging applications.

Note: Lithium fluoride is sensitive to thermal shock and is attacked by atmospheric moisture at temperatures above 400°C.

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