

**TECHSPEC® 20mm Dia., 2mm Thick, Uncoated, Magnesium Fluoride Window**



Magnesium Fluoride (MgF<sub>2</sub>) Windows

Stock **#87-704** **9 In Stock**

⊖ 1 ⊕ ₹21,051

**ADD TO CART**

Volume Pricing	
Qty 1-10	₹21,051 each
Qty 11-25	₹18,558 each
Qty 26-49	₹17,457 each
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Product Downloads

**SPECIFICATIONS**

**General**

Protective Window **Type:**

**Physical & Mechanical Properties**

Protective as needed	Bevel:
90	Clear Aperture (%):
18.00	Clear Aperture CA (mm):
20.00 +0.0/-0.1	Diameter (mm):
2.00 ±0.1	Thickness (mm):
Fine Ground	Edges:
415.00	Knoop Hardness (kg/mm <sup>2</sup> ):
<1	Parallelism (arcmin):
0.27	Poisson's Ratio:
138	Young's Modulus (GPa):

## Optical Properties

106.22	Abbe Number (v <sub>d</sub> ):
Uncoated	Coating:
1.377	Index of Refraction (n <sub>d</sub> ):
Magnesium Fluoride (MgF <sub>2</sub> )	Substrate:
λ/2	Surface Flatness (P-V):
40-20	Surface Quality:
120 - 7000	Wavelength Range (nm):

## Material Properties

13.7	Coefficient of Thermal Expansion CTE (10 <sup>-6</sup> /°C):
3.18	Density (g/cm <sup>3</sup> ):

## Regulatory Compliance

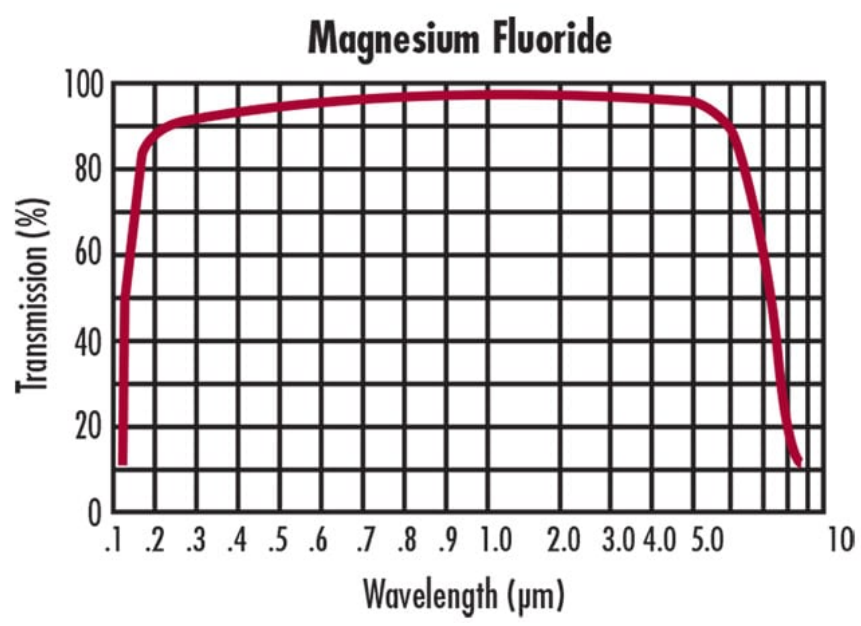
<a href="#">Compliant</a>	RoHS 2015:
<a href="#">Compliant</a>	Reach 219:
<a href="#">View</a>	Certificate of Conformance:

## PRODUCT DETAILS

- Excellent Transmission from 120nm to 7μm
- Rugged and Durable
- Resistant to Chemical Etching

TECHSPEC® Magnesium Fluoride (MgF<sub>2</sub>) Windows offer excellent broadband transmission from the deep-UV to the mid-infrared. DUV transmission makes them ideal for use at the Hydrogen Lyman-alpha line and for UV radiation sources and receivers, as well as excimer laser applications. MgF<sub>2</sub> is a rugged material resistant to chemical etching, laser damage, and mechanical and thermal shock. TECHSPEC® Magnesium Fluoride (MgF<sub>2</sub>) Windows have a Knoop Hardness of 415 and index of refraction of 1.38. The windows are offered in diameters ranging from 5 to 75mm.

## TECHNICAL INFORMATION



## CUSTOM

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## COMPATIBLE MOUNTS

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