

TECHSPEC[®] 40mm Dia., 3mm Thick, Uncoated Magnesium Fluoride Window



Magnesium Fluoride (MgF₂) Windows

Stock **#19-922** **5 In Stock**

-

1

+

S\$828⁸⁹

ADD TO CART

Volume Pricing	
Qty 1-10	S\$828.89 each
Qty 11-25	S\$733.31 each
Qty 26-49	S\$692.98 each
Need More?	Request Quote

Product Downloads

SPECIFICATIONS

General

Type:
Protective Window

Physical & Mechanical Properties

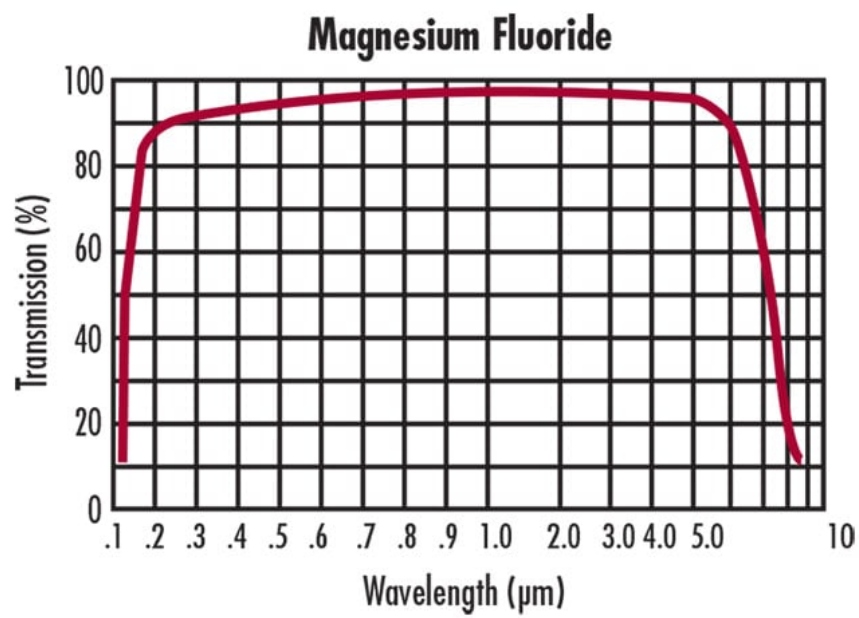
Protective as needed	Bevel:
90	Clear Aperture (%):
36.00	Clear Aperture CA (mm):
40.00 +0.0/-0.1	Diameter (mm):
3.00 ±0.1	Thickness (mm):
Fine Ground	Edges:
415.00	Knoop Hardness (kg/mm ²):
<1	Parallelism (arcmin):
0.27	Poisson's Ratio:
138	Young's Modulus (GPa):
Optical Properties	
106.22	Abbe Number (v _d):
Uncoated	Coating:
1.377	Index of Refraction (n _d):
Magnesium Fluoride (MgF ₂)	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 ⁻⁶ /°C):
3.18	Density (g/cm ³):
Regulatory Compliance	
View	Certificate of Conformance:

PRODUCT DETAILS

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

TECHSPEC® Magnesium Fluoride (MgF2) 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. MgF2 is a rugged material resistant to chemical etching, laser damage, and mechanical and thermal shock. TECHSPEC® Magnesium Fluoride (MgF2) 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](#).