

TECHSPEC<sup>®</sup> 30mm Dia., 3mm Thick, Uncoated Magnesium Fluoride Window



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

Stock **#19-921** 20+ In Stock

-

1

+

€425<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | €425,00 each                  |
| Qty 11-25      | €374,00 each                  |
| Qty 26-49      | €354,00 each                  |
| Need More?     | <a href="#">Request Quote</a> |

**i** Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Protective Window

Physical & Mechanical Properties

Clear Aperture CA (mm):

27.00

Diameter (mm):

|                      |                          |
|----------------------|--------------------------|
| 30.00 +0.0/-0.1      |                          |
| 3.00 ±0.1            | Thickness (mm):          |
| <1                   | Parallelism (arcmin):    |
| Protective as needed | Bevel:                   |
| 90                   | Clear Aperture (%):      |
| Fine Ground          | Edges:                   |
| 0.27                 | Poisson's Ratio:         |
| 138                  | Young's Modulus (GPa):   |
| 415.00               | Knoop Hardness (kg/mm²): |

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

|                     |                                                              |
|---------------------|--------------------------------------------------------------|
| Material Properties |                                                              |
| 3.18                | Density (g/cm³):                                             |
| 13.7                | Coefficient of Thermal Expansion CTE (10 <sup>-6</sup> /°C): |

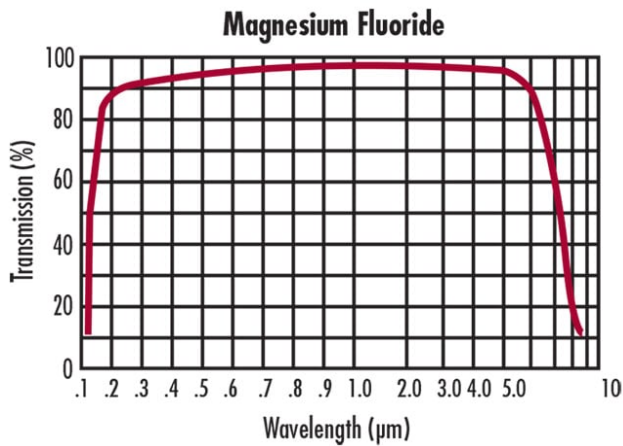
|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| <a href="#">View</a>  | Certificate of Conformance: |

## Product Details

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

TECHSPEC® Magnesium Fluoride (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](#).