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ISP Optics Magnesium Fluoride (MgF₂) Windows [See More by ISP](#)

[Optics](#)





- Excellent Transmission from 0.12 to 7μm
- Rugged and Durable
- Resistant to Chemical Etching

Common Specifications

| Physical & Mechanical Properties | | | |
|--|--|--|-------------------|
| Bevel: | Protective as needed | Clear Aperture (%): | 85 |
| Clear Aperture CA (mm): | 43.18 | Diameter (mm): | 50.80 +0.00/-0.13 |
| Edges: | Fine Ground | Knoop Hardness (kg/mm ²): | 415.00 |
| Parallelism (arcmin): | <3 | Poisson's Ratio: | 0.27 |
| Young's Modulus (GPa): | 138 | | |
| Optical Properties | | | |
| Abbe Number (v _d): | 106.22 | | |
| Coating: | Uncoated | Index of Refraction (n _d): | 1.377 |
| Substrate: | Magnesium Fluoride (MgF ₂) | Surface Flatness (P-V): | 2λ |
| Surface Quality: | 40-20 | Wavelength Range (nm): | 120 - 7000 |
| Material Properties | | | |
| Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C): | 13.7 | Density (g/cm ³): | 3.18 |

Technical Information

Products

| Dia. (mm) | Thickness (mm) | Coating | Model Number | Stock Number | Price | Buy |
|--|-------------------|----------|-----------------|--------------|---------|------------|
| #24-486 Clearance | | | | | | |
|  | | | | | | |
| Clearance | | | | | | |
| Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products. | | | | | | |
| 50.80 | 3.00 | Uncoated | MF-W-50-3 | | €431,95 | 5 In Stock |
| #24-487 Clearance | | | | | | |
|  | | | | | | |
| Clearance | | | | | | |
| Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products. | | | | | | |
| 50.80 | 4.00 | Uncoated | MF-W-50-4 | | €438,95 | 3 In Stock |

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select
products.

50.80

5.00

Uncoated

MF-W-
50-5

€445,95

1 In Stock

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products
disappear.
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accept
returns.
Receive up
to 80% off
select
products.

50.80

6.00

Uncoated

MF-W-
50-6

€645,00

3 In Stock



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Phone: 1-800-363-1992 :

www.edmundoptics.com