

[All Products](#) / [Optics](#) / [Windows and Diffusers](#) / [UV and IR Windows](#)

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
Parallelism (arcmin):	<3	Poisson's Ratio:	0.271
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						
<div><div></div></div>						
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		€615,00	3-4 days
#24-487 Clearance						
<div><div></div></div>						
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		€625,00	3-4 days

[#24-488 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

5.00

Uncoated

MF-W-
50-5

€635,00

3-4 days

[#24-489 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

6.00

Uncoated

MF-W-
50-6

€645,00

3-4 days



Copyright 2023 | Edmund Optics, Ltd Unit 1, Opus Avenue, Nether Poppleton, York, YO26 6BL, UK

Phone: 1-800-363-1992 :

www.edmundoptics.com