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TECHSPEC® 50mm Dia., 1.1mm Thick, MgF2 Coated, Gorilla Glass® Window



Gorilla® Glass Windows



Stock #22-855 **15 In Stock**

⊖ 1 ⊕ **\$\$107⁻¹⁰**

ADD TO CART

Volume Pricing	
Qty 1-5	\$\$107.10 each
Qty 6-25	\$\$82.60 each
Qty 26-49	\$\$78.40 each
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Product Downloads

General

Protective Window **Type:**

8 **Chemical Strengthening Cycle (hours):**

Glass **Type of Window:**

Physical & Mechanical Properties

45.00 **Clear Aperture CA (mm):**

Diameter (mm):

50.00 ±0.13

Thickness (mm):

1.10 (nominal)

Bevel:

Protective as needed

Clear Aperture (%):

90.00

Edges:

Fine Ground

Poisson's Ratio:

0.22

Young's Modulus (GPa):

70

Optical Properties

Coating:

MgF₂ (400-700nm)

Substrate: □

Gorilla® Glass

Index of Refraction (n_d):

1.5

Surface Quality:

80-50

Coating Specification:

R_{avg} ≤1.75% @400 - 700nm

Wavelength Range (nm):

400 - 700

Material Properties

Density (g/cm³):

2.39

Coefficient of Thermal Expansion CTE (10⁻⁶/°C):

7.58 (0 to +300°C)

Regulatory Compliance

RoHS 2015:

[Compliant](#)

Certificate of Conformance:

[View](#)

Reach 235:

[Compliant](#)

Need different specs or modifications?

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](#).

Product Details

- Chemically Strengthened Drawn Glass
- Highly Resistance to Surface Scratches
- Ideal for Electronic Displays

Gorilla® Glass Windows are chemically strengthened to reduce the propagation of surface flaws. These thin windows feature superior surface quality and excellent scratch resistance. With greater than 90% transmission from 350 - 600nm, these windows are excellent protective covers for electronic displays in consumer and industrial applications. Gorilla® Glass Windows are widely used as protective cover glass for high-end display devices such as laptops, televisions and mobile phones. Due to their durable construction, they are ideal for even the most demanding applications.

Technical Information

**Gorilla® Glass 3
Typical Transmission**



Coating Curves

Quote Your Size

Compatible Mounts