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TECHSPEC<sup>®</sup> 35mm Diameter MgF<sub>2</sub> Coated, B270 Window

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Stock **#45-255** 20+ In Stock

-

1

+

₹3,814

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | ₹3,814 each                   |
| Qty 6-25       | ₹3,044 each                   |
| Qty 26-99      | ₹2,861 each                   |
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Product Downloads

| General                          |                         |
|----------------------------------|-------------------------|
| Protective Window                | Type:                   |
| Physical & Mechanical Properties |                         |
| Protective as needed             | Bevel:                  |
| 31.50                            | Clear Aperture CA (mm): |

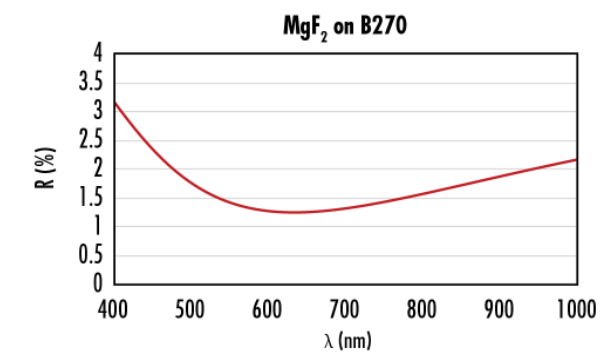
|                                          |                                                              |
|------------------------------------------|--------------------------------------------------------------|
| 35.00 ±0.25                              | Diameter (mm):                                               |
| 2.00                                     | Thickness (mm):                                              |
| Fine Ground                              | Edges:                                                       |
| 500.00                                   | Knoop Hardness (kg/mm²):                                     |
| 0.22                                     | Poisson's Ratio:                                             |
| 71.5                                     | Young's Modulus (GPa):                                       |
| Optical Properties                       |                                                              |
| 58.3                                     | Abbe Number (v <sub>d</sub> ):                               |
| MgF <sub>2</sub> (632.8nm)               | Coating:                                                     |
| R <sub>avg</sub> ≤1.50% @632.8nm (N-BK7) | Coating Specification:                                       |
| 1.523                                    | Index of Refraction (n <sub>d</sub> ):                       |
| B270                                     | Substrate:                                                   |
| 1λ                                       | Surface Flatness (P-V):                                      |
| 60-40                                    | Surface Quality:                                             |
| 400 - 700                                | Wavelength Range (nm):                                       |
| 10 J/cm² @ 532nm, 10ns                   | Damage Threshold, By Design: ☐                               |
| Material Properties                      |                                                              |
| 9.4 (+20 to +300°C)                      | Coefficient of Thermal Expansion CTE (10 <sup>-6</sup> /°C): |
| 2.56                                     | Density (g/cm³):                                             |
| Regulatory Compliance                    |                                                              |
| Compliant                                | RoHS 2015:                                                   |
| View                                     | Certificate of Conformance:                                  |
| Compliant                                | Reach 247:                                                   |
| United States                            | Country of Origin:                                           |
| Edmund Optics India Private Limited      | Imported By:                                                 |

## Product Details

- Large Selection of Sizes
- Available Uncoated, MgF2, or VIS-NIR Anti-Reflection (AR) Coated
- Custom Sizes Available for Volume OEM Requirements

TECHSPEC® B270 Windows offer a high transmission from the visible to the near-infrared (NIR). They have a similar refractive index to N-BK7 while being more cost-effective. These windows are often used as a protective element due to their high solarization stability and chemical resistance, making them ideal for standard window applications. TECHSPEC® B270 Windows are available either uncoated or coated with a MgF2 or VIS-NIR Anti-Reflection (AR) Coating. Both circular and square options are offered in various sizes, and custom sizes and coatings are available for OEM applications.

## 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](#).

## Compatible Mounts

