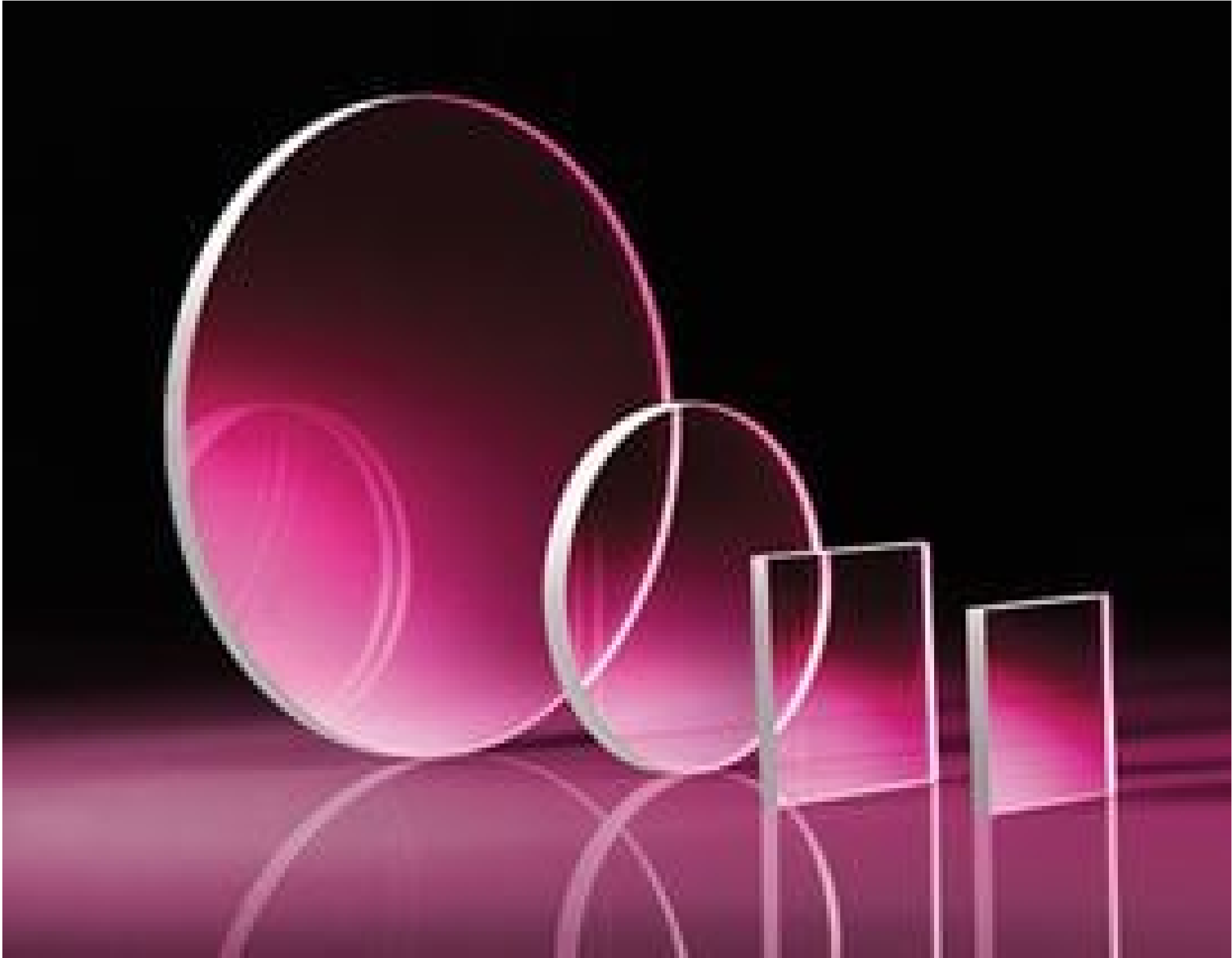


TECHSPEC<sup>®</sup> 20mm Dia., 1mm Thick, MgF<sub>2</sub> Coated, B270 Window

See More by [SCHOTT Optical Components](#)



Stock **#17-174** 20+ In Stock

-

1

+

€43<sup>.50</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €43,50 each                   |
| Qty 6-25       | €35,00 each                   |
| Qty 26-99      | €32,00 each                   |
| Need More?     | <a href="#">Request Quote</a> |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Protective Window

Type:

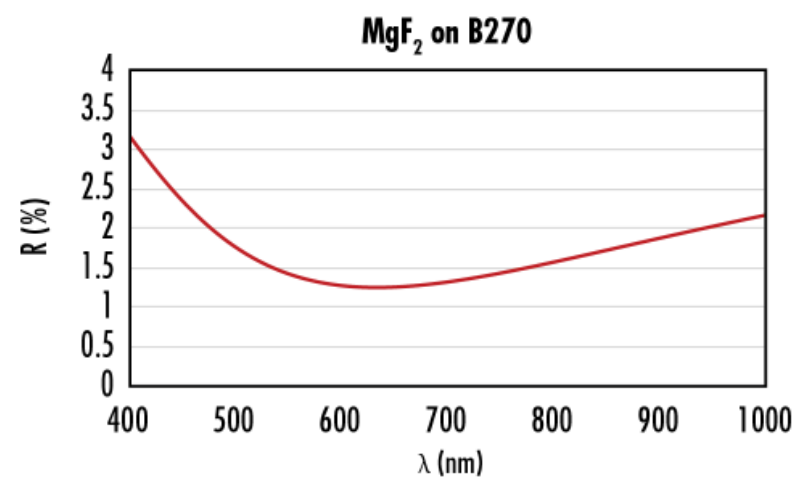
| Physical & Mechanical Properties          |                                                              |
|-------------------------------------------|--------------------------------------------------------------|
| Protective as needed                      | Bevel:                                                       |
| 18.00                                     | Clear Aperture CA (mm):                                      |
| 20.00 +0.00/-0.25                         | Diameter (mm):                                               |
| 1.00 ±0.10                                | 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: <input type="checkbox"/>        |
| 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 235:                                                   |

## 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