

TECHSPEC<sup>®</sup> 5mm Diameter, VIS-NIR Coated, B270 Window

See More by [SCHOTT Optical Components](#)



Stock #26-571 2 In Stock

-

1

+

A\$84<sup>.00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | A\$84.00 each                 |
| Qty 6-25       | A\$67.20 each                 |
| Qty 26-99      | A\$62.40 each                 |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

3.00

#Sorting:

General

Protective Window

Type:

Physical & Mechanical Properties

4.50

Clear Aperture CA (mm):

|                      |                          |
|----------------------|--------------------------|
| 5.00 ±0.25           | Diameter (mm):           |
| 1.00                 | Thickness (mm):          |
| Protective as needed | Bevel:                   |
| Fine Ground          | Edges:                   |
| 0.22                 | Poisson's Ratio:         |
| 71.5                 | Young's Modulus (GPa):   |
| 500.00               | Knoop Hardness (kg/mm²): |

| Optical Properties                                                                                                 |                                        |
|--------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| VIS-NIR (400-1000nm)                                                                                               | Coating:                               |
| B270                                                                                                               | Substrate: □                           |
| 1.523                                                                                                              | Index of Refraction (n <sub>d</sub> ): |
| 60-40                                                                                                              | Surface Quality:                       |
| 58.3                                                                                                               | Abbe Number (v <sub>d</sub> ):         |
| R <sub>avg</sub> ≤0.25% @ 880nm<br>R <sub>avg</sub> ≤1.25% @ 400 - 870nm<br>R <sub>avg</sub> ≤1.25% @ 890 - 1000nm | Coating Specification:                 |
| 360 - 2700                                                                                                         | Wavelength Range (nm):                 |
| 1λ                                                                                                                 | Surface Flatness (P-V):                |
| 5 J/cm² @ 532nm, 10ns                                                                                              | Damage Threshold, By Design:           |

| Material Properties |                                                              |
|---------------------|--------------------------------------------------------------|
| 2.56                | Density (g/cm³):                                             |
| 9.4 (+20 to +300°C) | Coefficient of Thermal Expansion CTE (10 <sup>-6</sup> /°C): |

| Regulatory Compliance |                             |
|-----------------------|-----------------------------|
| Compliant             | RoHS 2015:                  |
| View                  | Certificate of Conformance: |
| Compliant             | Reach 235:                  |

## 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](#).

## 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



## Coating Curves

## Compatible Mounts

;