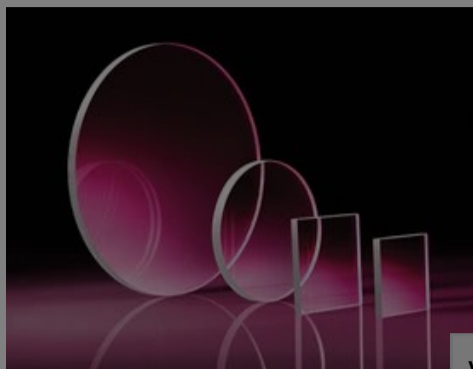


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**TECHSPEC® 30mm**

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Submit

1

€76<sup>,50</sup>

ADD TO CART

Volume Pricing

Qty 1-5	€76,50 each
Qty 6-25	€61,00 each
Qty 26-99	€57,00 each
Need More?	<a href="#">Request Quote</a>

Prices shown are exclusive of VAT/local taxes

Product Downloads

- STEP:step
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

General

Type: Protective Window

Type of Window: Glass

Physical & Mechanical Properties

Clear Aperture CA (mm): 27.00

Diameter (mm): 30.00 ±0.25

Thickness (mm): 2.00

Bevel: Protective as needed

Edges: Fine Ground

Poisson's Ratio: 0.22

Young's Modulus (GPa): 71.5

Knoop Hardness (kg/mm<sup>2</sup>): 500.00

Optical Properties

Coating: VIS-NIR (400-1000nm)

Substrate: **B270**

Index of Refraction (n<sub>d</sub>): 1.523

Surface Quality: 60-40

Abbe Number (v<sub>d</sub>): 58.3

Coating Specification:  
R<sub>avg</sub> ≤0.25% @ 880nm  
R<sub>avg</sub> ≤1.25% @ 400 - 870nm  
R<sub>avg</sub> ≤1.25% @ 890 - 1000nm

Wavelength Range (nm): 360 - 2700

Surface Flatness (P-V): 1λ

Damage Threshold, By Design: 5 J/cm<sup>2</sup> @ 532nm, 10ns

## Material Properties

Density (g/cm<sup>3</sup>): 2.56

Coefficient of Thermal Expansion: 9.4 (+20 to +300°C)

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## Regulatory Compliance

RoHS 2015: **Compliant**

Conformance:

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

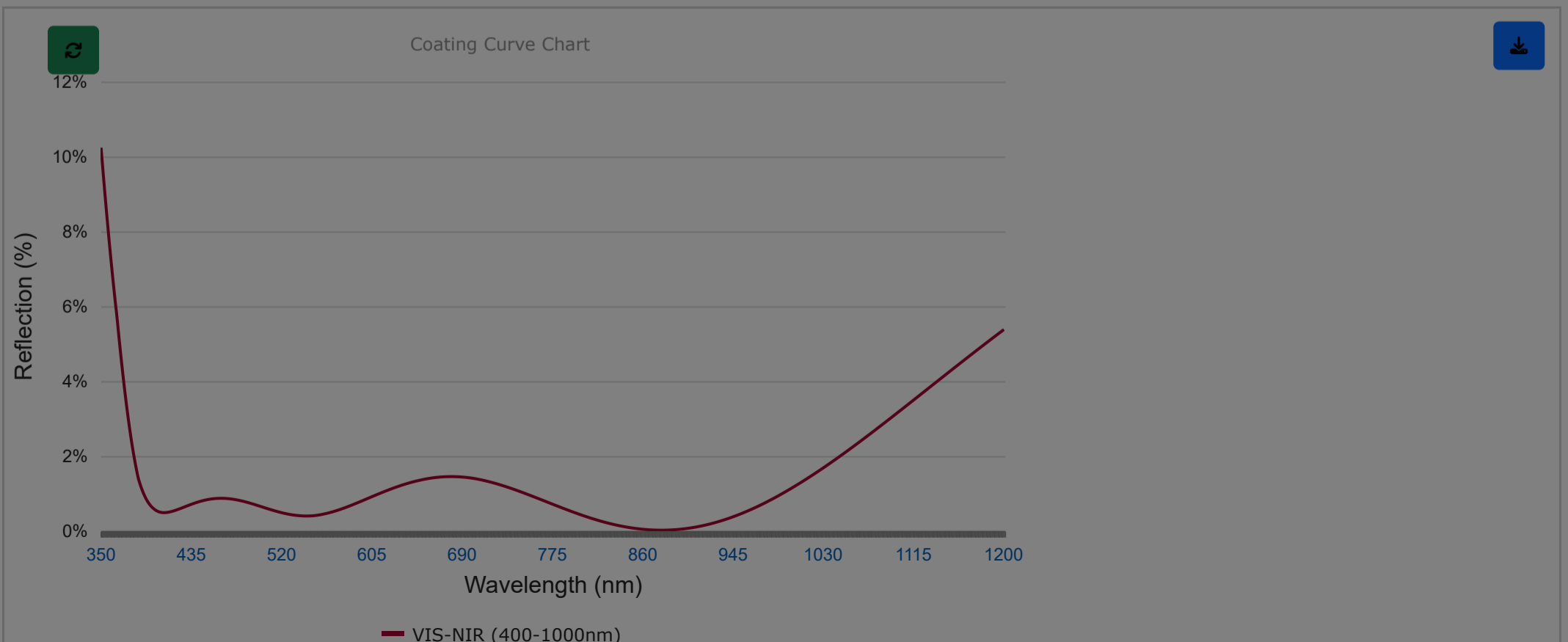
- Large Selection of Sizes
- Available Uncoated, MgF<sub>2</sub>, or VIS-NIR Anti-Reflection (AR) Coated
- Custom Sizes Available for Volume OEM Requirements

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 MgF<sub>2</sub> 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

VIS-NIR (400-1000nm)



Please note that coating performance outside each product's specified design range is theoretical and may vary.

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Cage System Optical Lens Mounts



C, S, and T-Mount Circular Optic Mounts



PUROSOL™ Optical Cleaner



λ/4 N-BK7 Precision Windows

## Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a>	30.0mm Optic Dia., Optic Mount	Fixed		#64-563	€32,75 <a href="#">Request Quote</a>	12 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	30.0mm Optic Dia., Optic Mount	Fixed		#64-564	€32,75 <a href="#">Request Quote</a>	<a href="#">CONTACT US</a> <input type="text" value="1"/>
<a href="#">MORE+</a>	2.0 - 35.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-668	€63,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	9.5 - 73.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#36-605	€83,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	7.0 - 40.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-676	€106,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-530	€108,00 <a href="#">Request Quote</a>	<a href="#">CONTACT US</a> <input type="text" value="1"/>
<a href="#">MORE+</a>	19.5 - 108.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-670	€114,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	7.0 - 67.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	€116,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	8.0 - 118.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	€120,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/>

	Title	Type	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a>	4.0 - 36.0mm Optic Dia. Centering Clamp				€157,00	5 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	5.0 - 100mm Optic Dia. Centering Clamp					<a href="#">CONTACT US</a> <input type="text" value="1"/>

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Check out our full selection of mounts [here](#).

# Resources

## Media Type

- Application Note
- Technical Tool
- Video
- Glossary
- FAQ

<p><b>APPLICATION NOTE</b></p> <p>Anti-Reflection (AR) Coatings</p>	<p><b>APPLICATION NOTE</b></p> <p>An Introduction to Optical Coatings</p>	<p><b>TECHNICAL TOOL</b></p> <p>Beam Displacement Calculator</p>
<p><b>APPLICATION NOTE</b></p> <p>Understanding Optical Windows</p>	<p><b>VIDEO</b></p> <p>Optical Windows Review</p>	<p><b>APPLICATION NOTE</b></p> <p>Optical Glass</p>

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