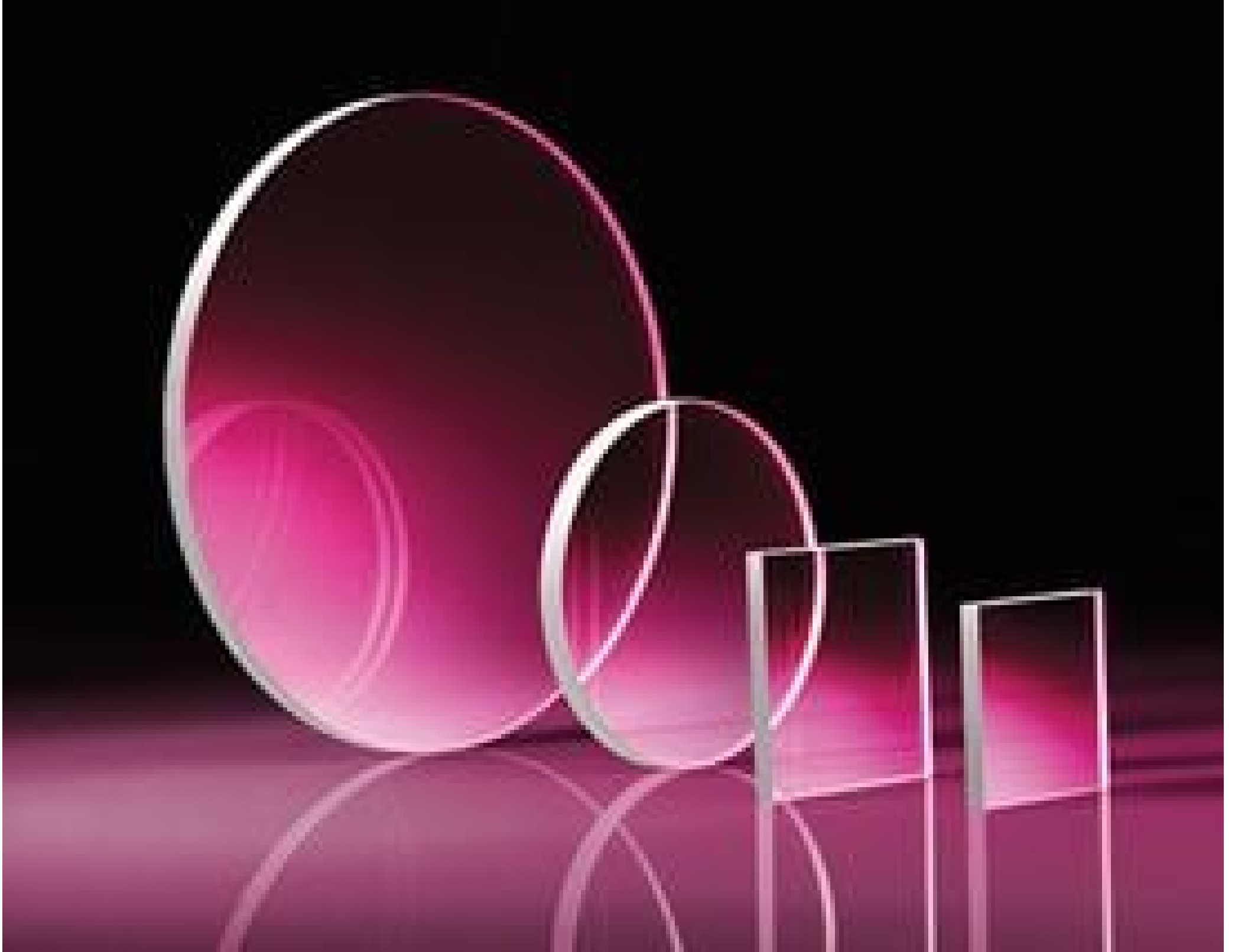


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## TECHSPEC® 125mm Dia., 4mm Thick, MgF<sub>2</sub> Coated, B270 Window

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Stock #17-180 **5 In Stock**

⊖ 1 ⊕ £238<sup>00</sup>

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Volume Pricing	
Qty 1-5	£238.40 each
Qty 6-25	£191.20 each
Qty 26-99	£179.20 each
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ⓘ Prices shown are exclusive of VAT/local taxes

### Product Downloads

64.00

#Sorting:

### General

Protective Window

Type:

### Physical & Mechanical Properties

112.50	<b>Clear Aperture CA (mm):</b>
125.00 +0.00/-0.25	<b>Diameter (mm):</b>
4.00 ±0.20	<b>Thickness (mm):</b>
Protective as needed	<b>Bevel:</b>
Fine Ground	<b>Edges:</b>
0.22	<b>Poisson's Ratio:</b>
71.5	<b>Young's Modulus (GPa):</b>
500.00	<b>Knoop Hardness (kg/mm<sup>2</sup>):</b>

## Optical Properties

MgF <sub>2</sub> (632.8nm)	<b>Coating:</b>
<a href="#">B270</a>	<b>Substrate:</b> <input type="checkbox"/>
1.523	<b>Index of Refraction (n<sub>d</sub>):</b>
60-40	<b>Surface Quality:</b>
58.3	<b>Abbe Number (v<sub>d</sub>):</b>
R <sub>avg</sub> ≤ 1.50% @ 632.8nm (N-BK7)	<b>Coating Specification:</b>
400 - 700	<b>Wavelength Range (nm):</b>
1λ (per 25.4mm Dia. within CA)	<b>Surface Flatness (P-V):</b>
10 J/cm <sup>2</sup> @ 532nm, 10ns	<b>Damage Threshold, By Design:</b>

## Material Properties

2.56	<b>Density (g/cm<sup>3</sup>):</b>
9.4 (+20 to +300°C)	<b>Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):</b>

## Regulatory Compliance

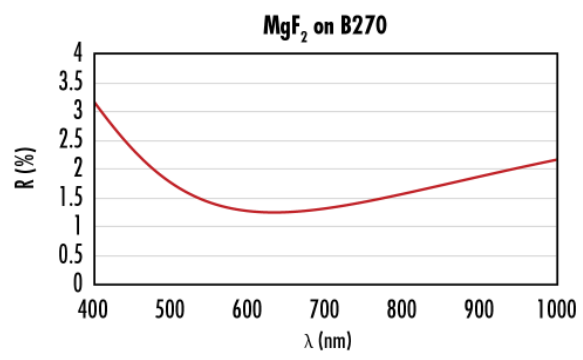
<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Compliant</a>	<b>Reach 235:</b>

## 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



## 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](#).