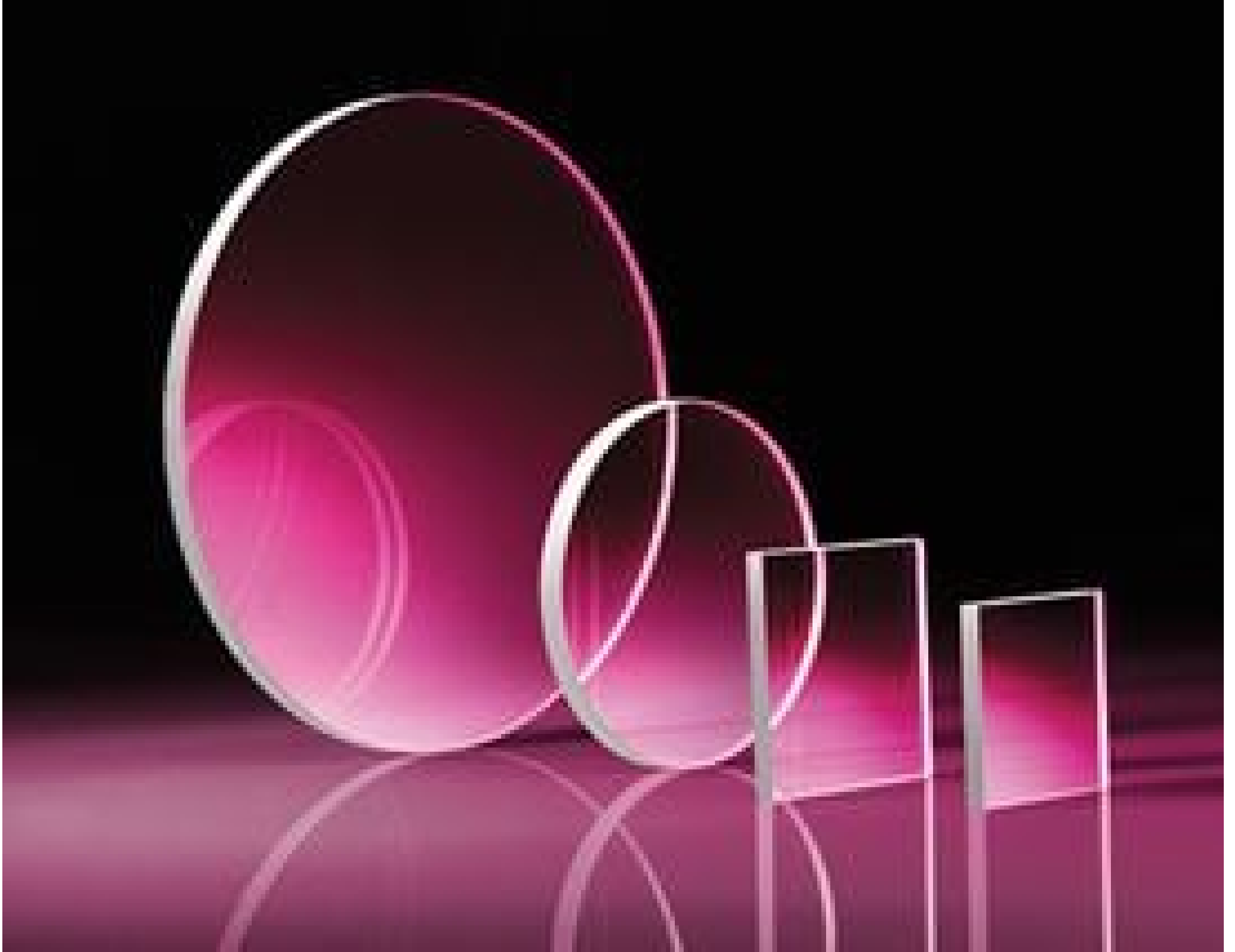


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TECHSPEC® 50mm Diameter, VIS-NIR Coated, B270 Window

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Stock #26-586 **4 In Stock**

- 1 + MRP ₹10,392

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-5	₹10,392 each
Qty 6-25	₹8,273 each
Qty 26-99	₹7,769 each
Need More?	Request Quote

Product Downloads

General

Protective Window **Type:**

Glass **Type of Window:**

Physical & Mechanical Properties

Clear Aperture CA (mm):

45.00	Diameter (mm):
50.00 ±0.25	
	Thickness (mm):
3.00	
	Bevel:
Protective as needed	
	Edges:
Fine Ground	
	Poisson's Ratio:
0.22	
	Young's Modulus (GPa):
71.5	
	Knoop Hardness (kg/mm²):
500.00	

Optical Properties

VIS-NIR (400-1000nm)	Coating:
B270	Substrate: <input type="checkbox"/>
	Index of Refraction (n_d):
1.523	
	Surface Quality:
60-40	
	Abbe Number (v_d):
58.3	
	Coating Specification:
R _{avg} ≤0.25% @ 880nm R _{avg} ≤1.25% @ 400 - 870nm R _{avg} ≤1.25% @ 890 - 1000nm	
	Wavelength Range (nm):
360 - 2700	
	Surface Flatness (P-V):
1λ	
	Damage Threshold, By Design: <input type="checkbox"/>
5 J/cm ² @ 532nm, 10ns	

Material Properties

	Density (g/cm³):
2.56	
	Coefficient of Thermal Expansion CTE (10⁻⁶/°C):
9.4 (+20 to +300°C)	

Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 235:
United States	Country of Origin:
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	Imported By:

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](#).

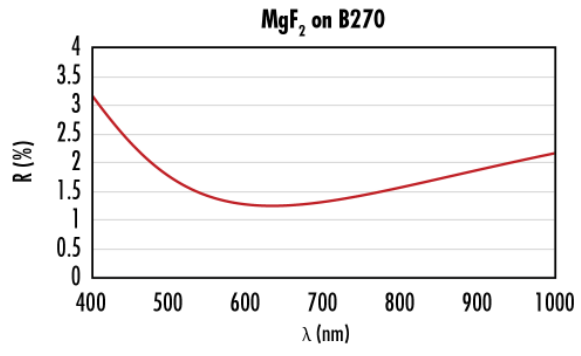
Product Details

- Large Selection of Sizes

- Available Uncoated, 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
