

[See all 12 Products in Family](#)

## 5mm Diameter B270 Half-Ball Lens



B270 Half-Ball Lenses

Stock #21-902 **20+ In Stock**

⊖ 1 ⊕ A\$64.<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-10	A\$64.00 each
Qty 11-25	A\$54.00 each
Qty 26-49	A\$48.40 each
Need More?	<a href="#">Request Quote</a>

### Product Downloads

### General

Half-Ball Lens **Type:**

### Physical & Mechanical Properties

5.00 ±0.1 **Diameter (mm):**

2.50 ±0.15 **Center Thickness CT (mm):**

2.50

Radius R (mm):

## Optical Properties

**B270**

Substrate:

Uncoated

Coating:

360 - 2700

Wavelength Range (nm):

1.523

Index of Refraction ( $n_d$ ):

## Regulatory Compliance

Compliant

RoHS 2015:

Compliant

Reach 224:

[View](#)

Certificate of Conformance:

## Product Details

- Available in Truncated and Extended Geometries
- High Transmission in the Visible and NIR
- Ideal for Cost Sensitive Applications

B270 Half-Ball Lenses feature a molded spherical surface and polished plano surface, facilitating easier mounting compared to ball lenses. The B270 substrates have high transmission from the visible to the near infrared (NIR) and have a similar refractive index to N-BK7, making these lenses an ideal alternative for cost sensitive applications. Each diameter of lens is available in two form factors, truncated (hypo-hemisphere) and extended (hyper-hemisphere), providing options to best meet system mechanical requirements. B270 Half-Ball Lenses are used in high power LED, fiber coupling, endoscopy, microscopy, and laser measurement applications.