

[See all 18 Products in Family](#)

TECHSPEC® 1.0mm Diameter, Fused Silica Half-Ball Lens



Stock **#67-391** **20+ In Stock**

- 1 + C\$95^{.20}

ADD TO CART

Volume Pricing

Qty 1-10	C\$95.20 each
Qty 11-49	C\$76.30 each
Need More?	Request Quote

Product Downloads

General

Half-Ball Lens **Type:**

Physical & Mechanical Properties

1.00 **Diameter (mm):**

0.50 **Radius R (mm):**

±2.5 **Radius Tolerance (µm):**

±35 Thickness Tolerance (µm):

±2.5 Diameter Tolerance (µm):

Optical Properties

Fused Silica (Corning 7980) Substrate:

Uncoated Coating:

200 - 2200 Wavelength Range (nm):

1.458 Index of Refraction (n_d):

0.625 Sphericity (µm):

Regulatory Compliance

Compliant RoHS 2015:

View Certificate of Conformance:

Compliant Reach 247:

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

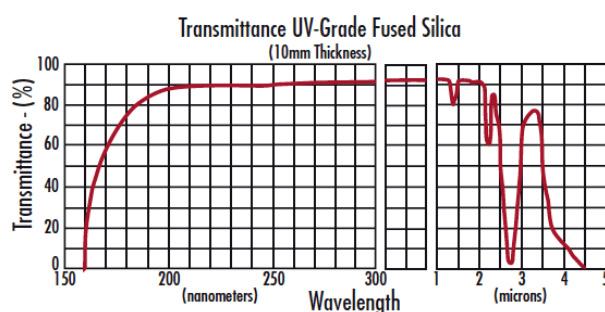
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

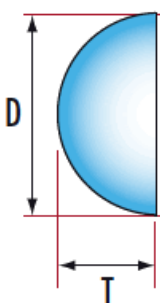
- Excellent UV Transmission
- Low Coefficient of Thermal Expansion
- Ball and Half-Ball Options Available

TECHSPEC® Fused Silica Ball and Half-Ball Lenses feature high transmission from 200nm to 2.2µm with a low coefficient of thermal expansion, making it ideal for the most demanding ball lens applications in the ultraviolet, visible, and near-infrared spectra. Ball lenses are commonly used for improving signal coupling between fibers, emitters, and detectors, as well as objective lenses in endoscopy and bar-code scanning applications. Half-ball lenses simplify handling and integration. TECHSPEC Fused Silica Ball and Half-Ball Lenses are uncoated with a fused silica substrate. The lenses are available in diameters ranging from 0.50 to 5.00mm.

Technical Information



UV FS Transmission Curve



Compatible Mounts

