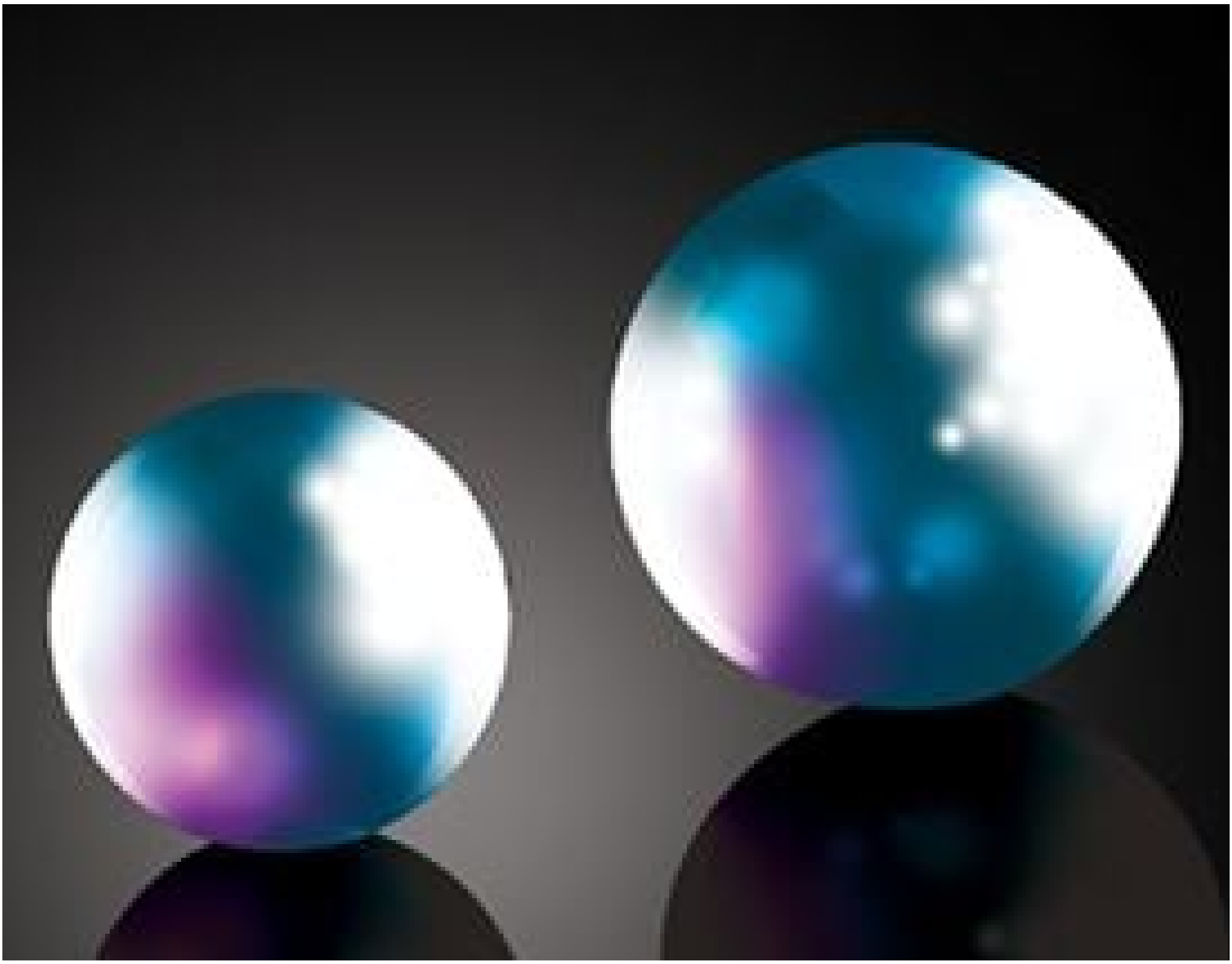
TECHSPEC® 1.0mm Diameter, Fused Silica Half-Ball Lens



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

- 1 + A$108.80

ADD TO CART

Volume Pricing	
Qty 1-10	**A$108.80** each
Qty 11-49	**A$87.20** each
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SPECIFICATIONS

General

Type:

Half-Ball Lens

Physical & Mechanical Properties

Diameter (mm):

1.00

Radius R (mm):

0.50

Radius Tolerance (µm):

±2.5

Thickness Tolerance (µm):

±35

Diameter Tolerance (µm):

±2.5

Optical Properties

Substrate:

Fused Silica (Corning 7980)

Coating:

Uncoated

Wavelength Range (nm):

200 - 2200

Index of Refraction (n_d):

1.458

Sphericity (µm):

0.625

Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

View

Reach 247:

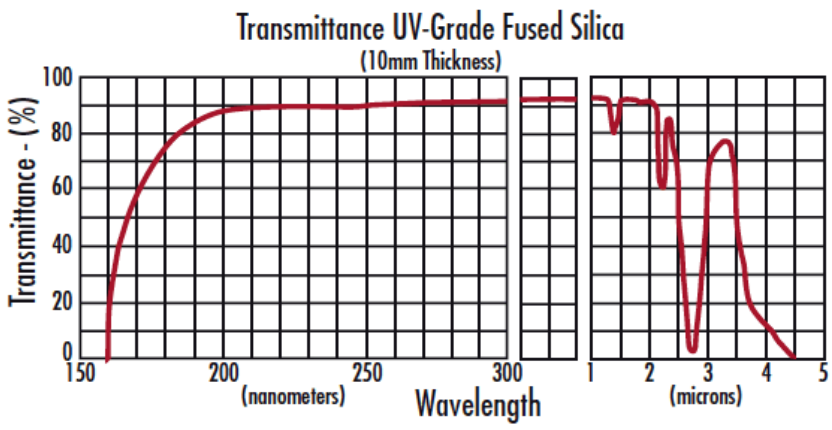
Compliant

PRODUCT DETAILS

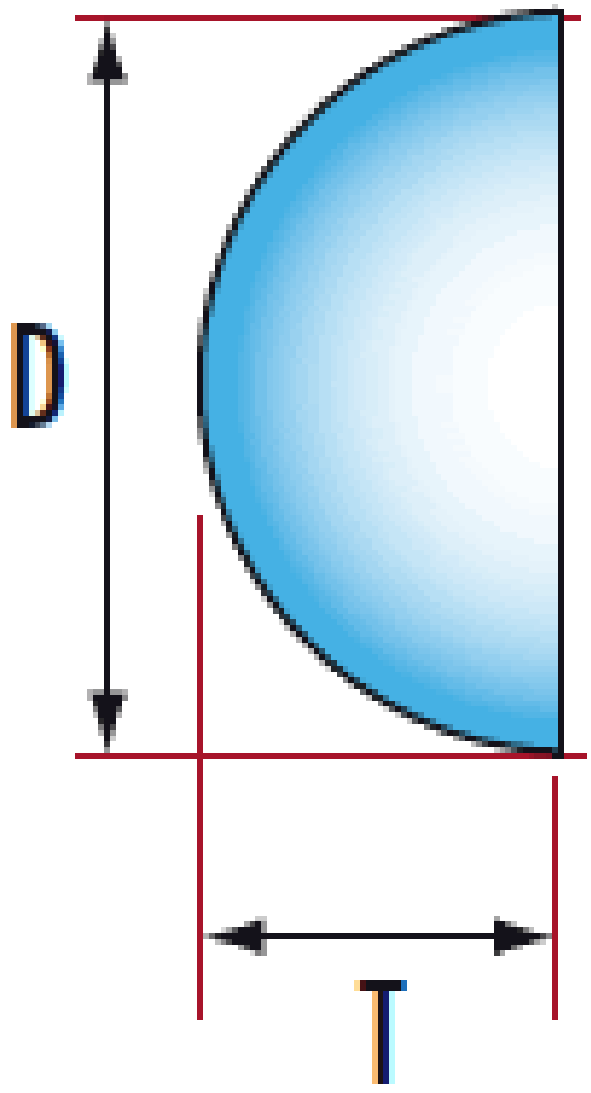
- Excellent UV Transmission
- Low Coefficient of Thermal Expansion
- Ball and Half-Ball Options Available

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



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.**

COMPATIBLE MOUNTS