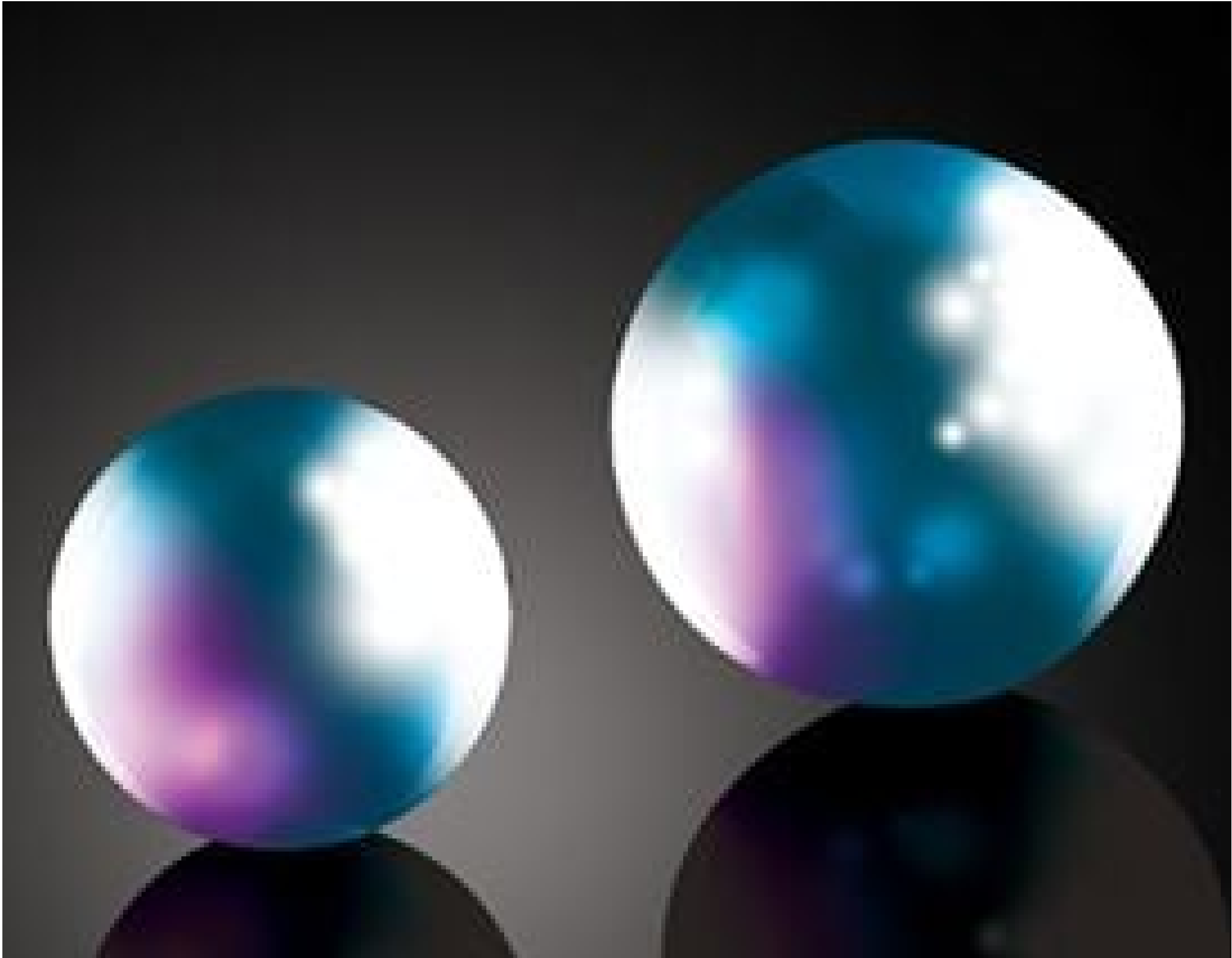


TECHSPEC[®] 5.0mm Diameter, Fused Silica Half-Ball Lens



Stock **#67-397** [CONTACT US](#)

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1

+

₹4,515

ADD TO CART

Volume Pricing	
Qty 1-10	₹4,515 each
Qty 11-49	₹3,620 each
Need More?	Request Quote

Product Downloads

General

Type:
Half-Ball Lens

Physical & Mechanical Properties

Diameter (mm):
5.00

Radius R (mm):
2.50

Radius Tolerance (µm):
±2.5

±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:
Switzerland	Country of Origin:
Edmund Optics India Private Limited	Imported By:

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

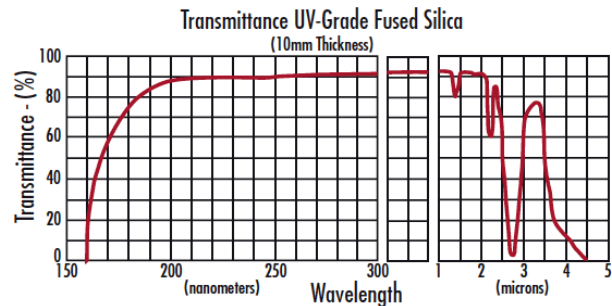
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

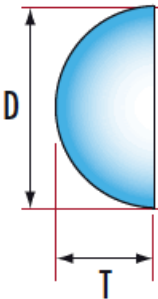
- Excellent UV Transmission
- Low Coefficient of Thermal Expansion
- Ball and Half-Ball Options Available

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

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