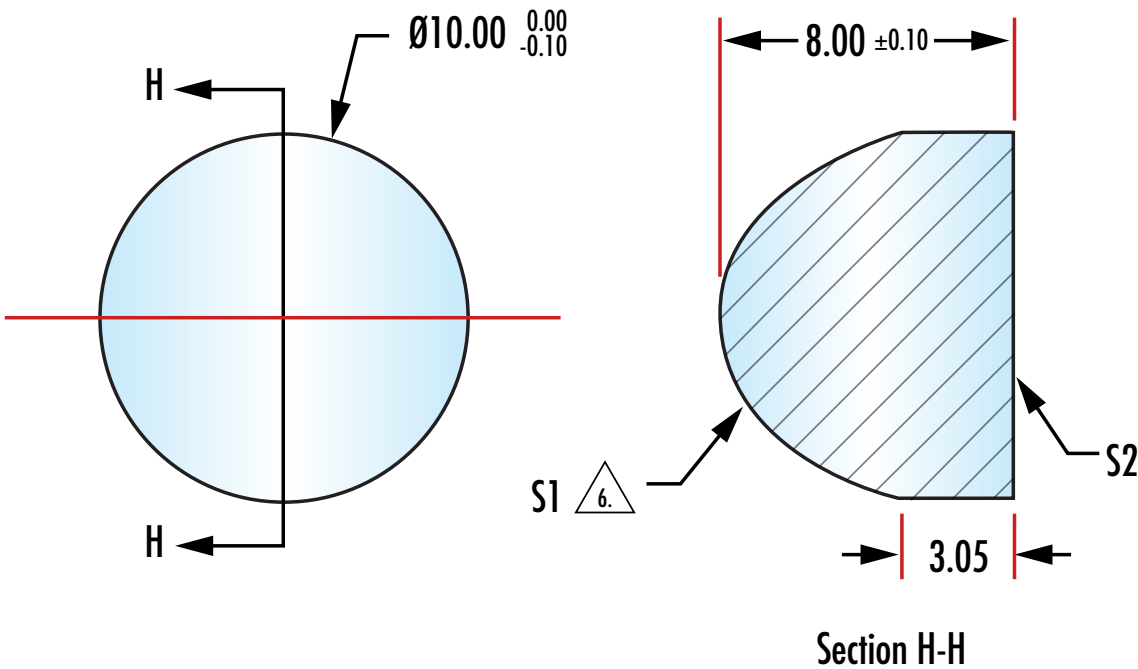


PRECISION UV FUSED SILICA  
ASPHERIC LENSES

TECHSPEC® Precision UV Fused  
Silica Aspheric Lenses

TECHSPEC® Precision UV Fused Silica Aspheric Lenses offer the benefits of an aspheric element combined with the manufacturing precision of state-of-the-art grinding and polishing equipment. With the available prescription data, these fused silica optics can be easily designed and integrated into complex optical systems. Featuring low f/#'s for optimum light gathering and focusing performance, these fused silica lenses are computer optimized to eliminate spherical and minimize higher order aberrations. UV fused silica optics substrate offers a low coefficient of thermal expansion.



FEATURES

CNC Polished
Fused Silica Substrate
0.75µm RMS Aspheric Figure Error
60-40 Surface Quality
10mm – 50mm Diameter Options
High Numerical Apertures
Designed, Specified, and/or Manufactured by Edmund Optics®

APPLICATIONS

Laser Equipment
Detectors
Cytometers/Cell Counters
Spectrometry
Surgical Systems
Test Equipment
Imaging (Inspection, Cameras, OCT, Fluorescence)

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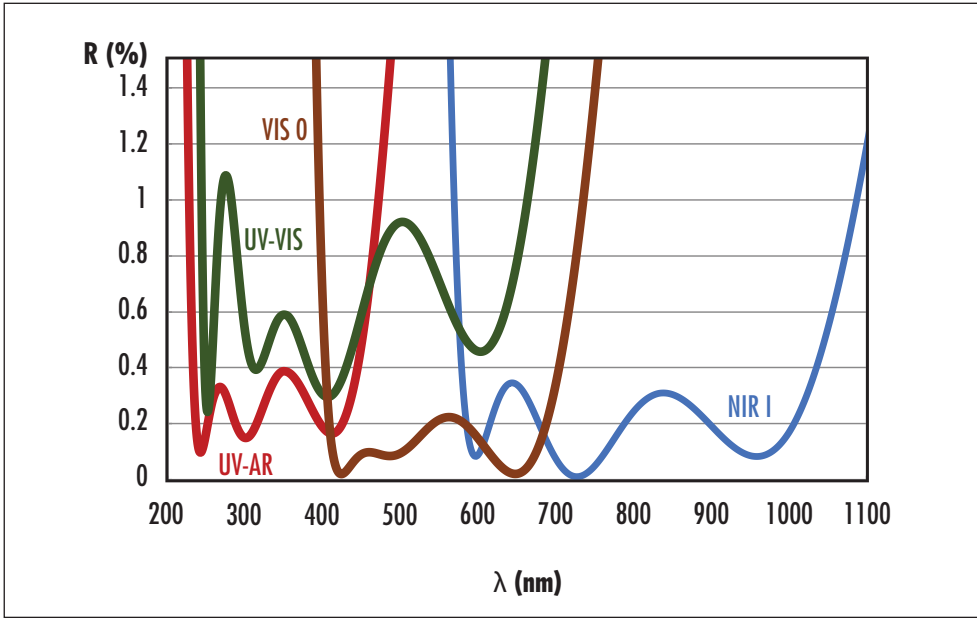
COMMON CHARACTERISTICS	
Design Wavelength	587.6nm
Surface Type	Aspheric
Clear Aperture	90%
Conjugate Distance	Infinite
RoHS	Compliant

UNIQUE SPECIFICATIONS

Parameter	Lower Cost	This Family	Higher Precision
	Precision	Precision UV Fused Silica	Custom Options Available
Asphere Figure Error @ 632.8nm (µm RMS)	0.75	0.75	0.016
Surface Quality	60-40	60-40	20-10
Diameter Tolerance	+0.0/-0.1	+0.0/-0.1	+0.00/-0.025
Material	L-BAL35, N-SF6, N-BK7	Fused Silica	Fused Silica

STANDARD COATING OPTIONS

Coating Name	Spectral Range (nm)	Reflection	Environmental Conditions
UV	250-450	$R_{avg} < 1.5\%$	MIL-PRF-13830B: Pass per C.3.8.4
UV-VIS	250-700	$R_{avg} < 2.5\%$	MIL-PRF-13830B: Pass per C.3.8.4
VIS	425-675	$R_{avg} < 1.5\%$	MIL-PRF-13830B: Pass per C.3.8.4
NIR	600-1050	$R_{avg} < 1.5\%$	MIL-PRF-13830B: Pass per C.3.8.4



Custom coating options for all products are available upon request.

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