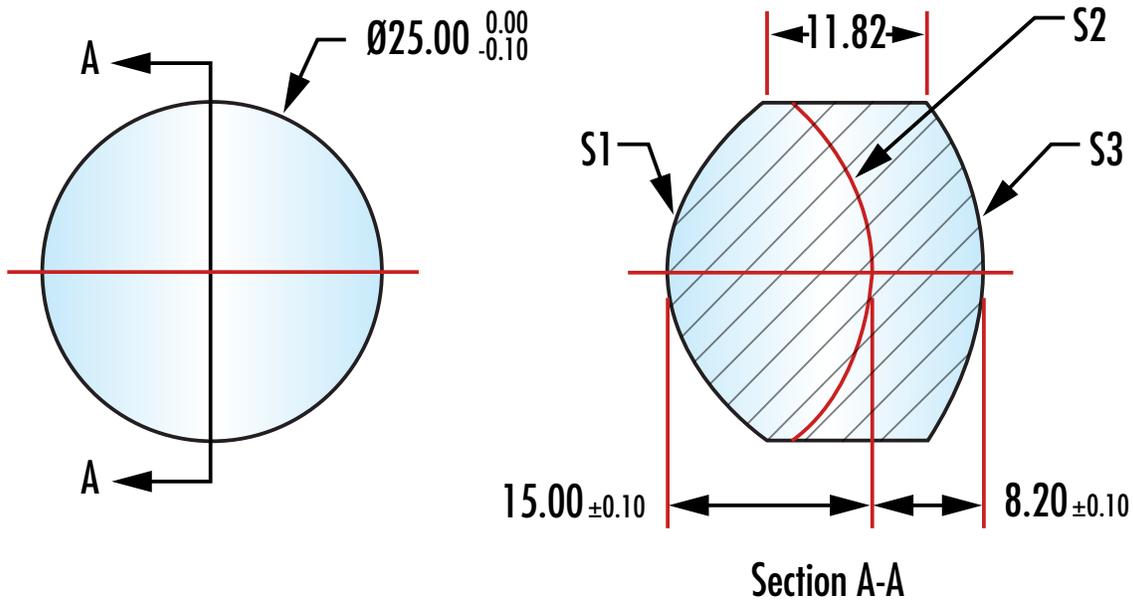


**PRECISION ASPHERIZED
ACHROMATIC LENSES**
**TECHSPEC® ALL GLASS
COLOR-CORRECTED ASPHERES**

Featuring an all glass design, TECHSPEC® Precision Aspherized Achromatic Lenses are truly achromatic, with less than 10µm of lateral chromatic aberration. These achromatic lenses are diffraction limited over the full visible spectrum, and have high numerical apertures for increased light throughput and small spot sizes. TECHSPEC® Precision Aspherized Achromatic Lenses are ideal for fluorescence microscopy, low signal-to-noise imaging applications, and multiple laser biotech applications.



FEATURES
CNC Polished
Eliminate Spherical Aberrations
0.5µm RMS Aspheric Figure Error
20-10 Surface Quality
15mm – 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)

© COPYRIGHT 2022 EDMUND OPTICS, INC. ALL RIGHTS RESERVED

PRECISION ASPHERIZED ACHROMATIC LENSES

TECHSPEC® ALL GLASS COLOR-CORRECTED ASPHERES

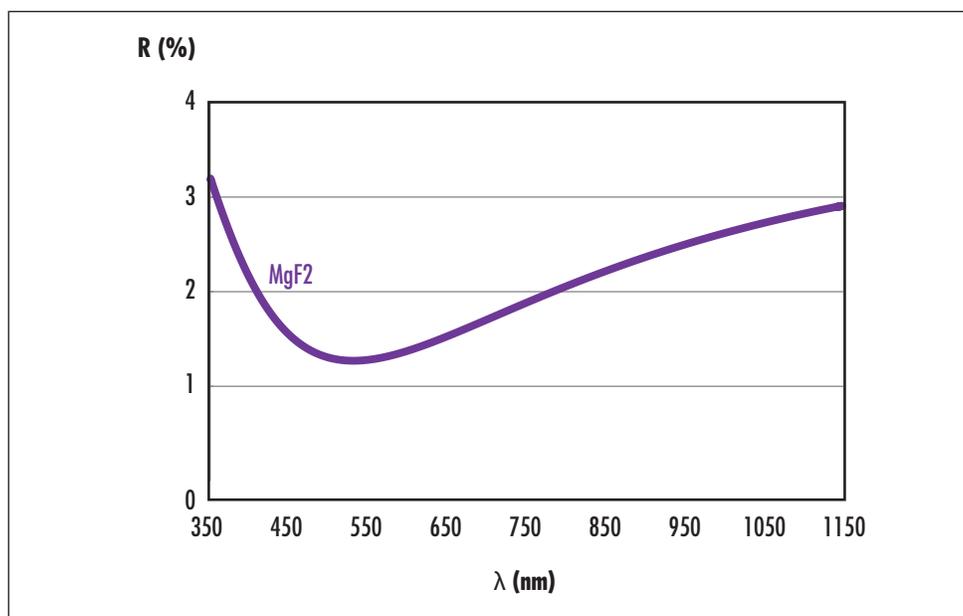
COMMON CHARACTERISTICS	
Design Wavelength	587.6nm
Surface Type	Aspheric
Clear Aperture	90%
Conjugate Distance	Infinite
RoHS	Compliant

UNIQUE SPECIFICATIONS

Parameter	Lower Cost	This Family	Higher Precision
	Aspherized Achromatic Lenses	Precision Aspherized Achromats	Custom Options Available
Asphere Figure Error @ 632.8nm ($\mu\text{m RMS}$)	Chromatically Corrected Performance	0.25	0.016
Surface Quality	60-40	40-20	20-10
Diameter Tolerance	+0.0/-0.05	+0.0/-0.1	+0.00/-0.05
Material	N-LAK8 / N-SF57	N-PK51 / S-NPH2	Per Design

STANDARD COATING OPTION

Coating Name	Spectral Range (nm)	Reflection	Environmental Conditions
MgF ₂	400-700	R _{avg} < 1.75%	MIL-PRF-13830B: Pass per C.3.8.4



Custom coating options for all products are available upon request.