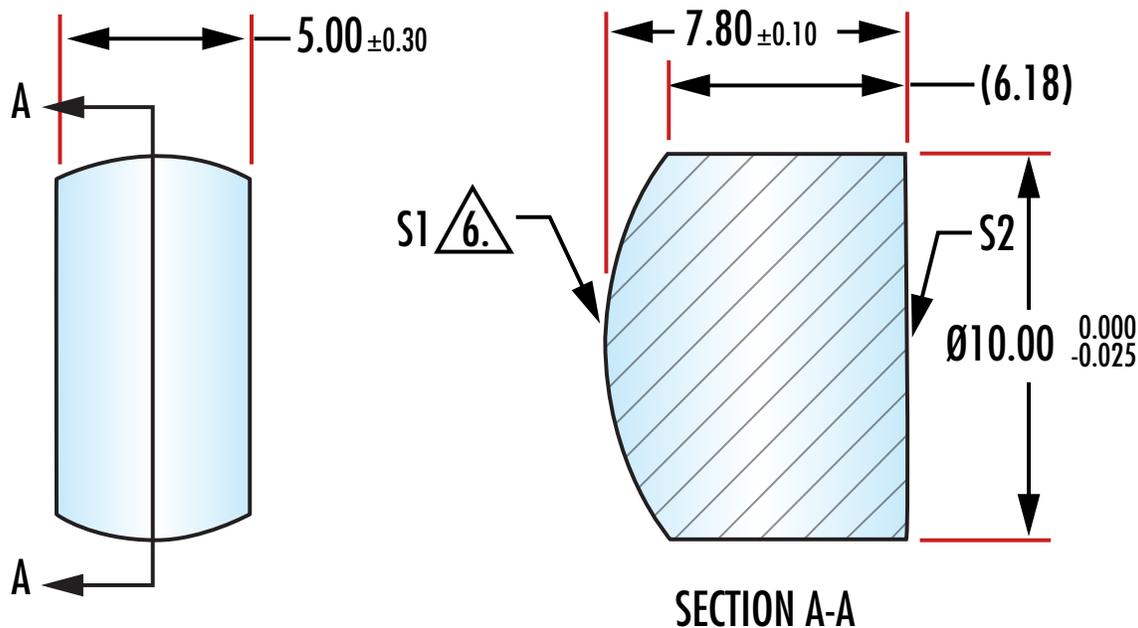


# RECTANGULAR HIGH-PRECISION ASPHERIC LENSES

## TRUNCATED TECHSPEC® CNC POLISHED HIGH-PRECISION ASPHERIC LENSES

TECHSPEC® Rectangular High Precision Aspheric Lenses are truncated versions of our TECHSPEC® High Precision Aspheric Lenses. These aspheric lenses are CNC polished to achieve a 0.25µm RMS aspheric figure error and then cut to square or rectangular sizes. The precision aspheric figure error of these lenses makes them advantageous for demanding imaging or laser systems requiring spherical aberration correction. TECHSPEC® Rectangular High Precision Aspheric Lenses with their space saving form factors are ideal for integration into medical devices, life science instrumentation, and industrial laser systems. Please contact us if your application requires a TECHSPEC® Aspheric Lens truncated to meet specific size requirements.



FEATURES
CNC Polished
Eliminate Spherical Aberrations
0.25µm RMS Aspheric Figure Error
40-20 Surface Quality
Square and Rectangular Sizes from 5 x 5 mm
High Numerical Apertures
Designed, Specified, and/or Manufactured by Edmund Optics®

APPLICATIONS
Ideal for Integration into Space Sensitive Laser Systems
Detectors
Cytometers/Cell Counters
Spectrometry
Surgical Systems
Test Equipment
Imaging (Inspection, Cameras, OCT, Fluorescence)

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## TRUNCATED TECHSPEC® CNC POLISHED

## HIGH-PRECISION ASPHERIC LENSES

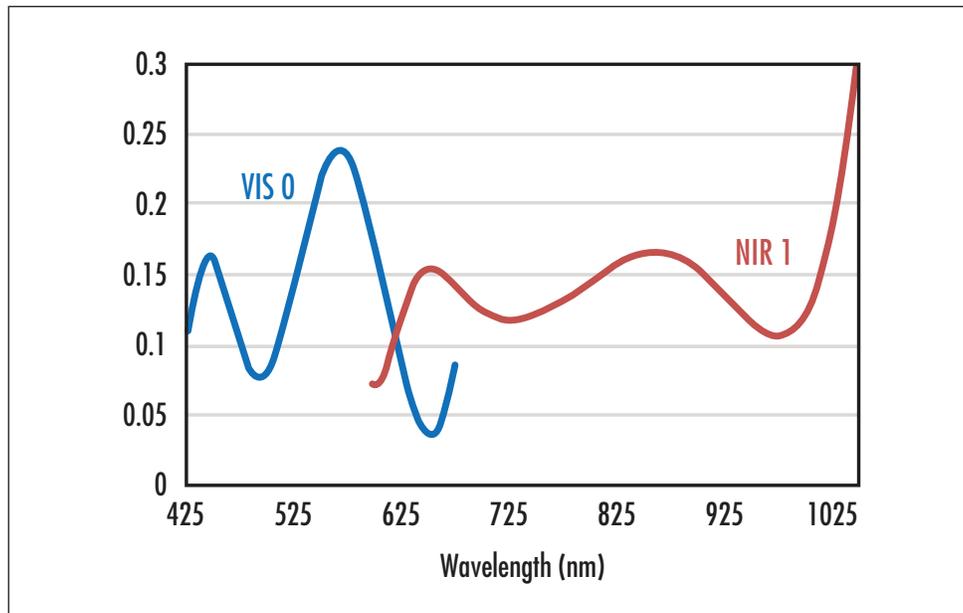
COMMON CHARACTERISTICS	
Design Wavelength	587.6nm
Surface Type	Aspheric
Clear Aperture	90%
Conjugate Distance	Infinite
RoHS	Compliant

### UNIQUE SPECIFICATIONS

Parameter	Lower Cost	This Family	Higher Precision
	Precision	Rectangular High-Precision	Custom Options Available
Asphere Figure Error @ 632.8nm (µm RMS)	0.75	0.25	0.016
Surface Quality	60-40	40-20	20-10
Diameter Tolerance	+0.0/-0.1	+0.00/-0.025	+0.00/-0.025
Material	L-BAL35, N-SF6, N-BK7	N-SF5, N-SF6, N-BK7	N-SF5, N-SF6, N-BK7
Shape	Round	Rectangular	Rectangular

### COMMONLY SELECTED COATINGS

Coating Name	Spectral Range (nm)	Reflection	Environmental Conditions
VIS 0	425-675	$R_{avg} < 1.5\%$	MIL-PRF-13830B: Pass per C.3.8.4
NIR I	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.