

TECHSPEC® 1.7X, 2/3" C-Mount PlatinumTL™ Telecentric Lens

#63-232



1.7X Magnification, #63-232

TECHSPEC® PlatinumTL™ Telecentric Lenses are designed for semiconductor and electronics inspection, measurement, and gauging applications. The precision designs feature high telecentricity ($<0.1^\circ$), low distortion ($<0.1\%$), and high light throughput with an adjustable aperture that achieves f/6 when fully open. Capable of supporting large format 28.7mm diagonal sensors, these lenses are compatible with the Sony IMX342 APS-C sensor and other similar format sensors such as the Sony IMX530. TECHSPEC® PlatinumTL™ Telecentric Lenses produce unparalleled levels of contrast yielding maximum image quality with the highest degree of measurement accuracy. These lenses are suitable for high vibration environments and feature a removable recessed set screw for securing the iris in place.

Flange Distance (mm):	17.5
Coating:	425 - 675nm BBAR
Depth of Field (mm):	±0.18 at f/10 (20% @ 20 lp/mm)

Optical

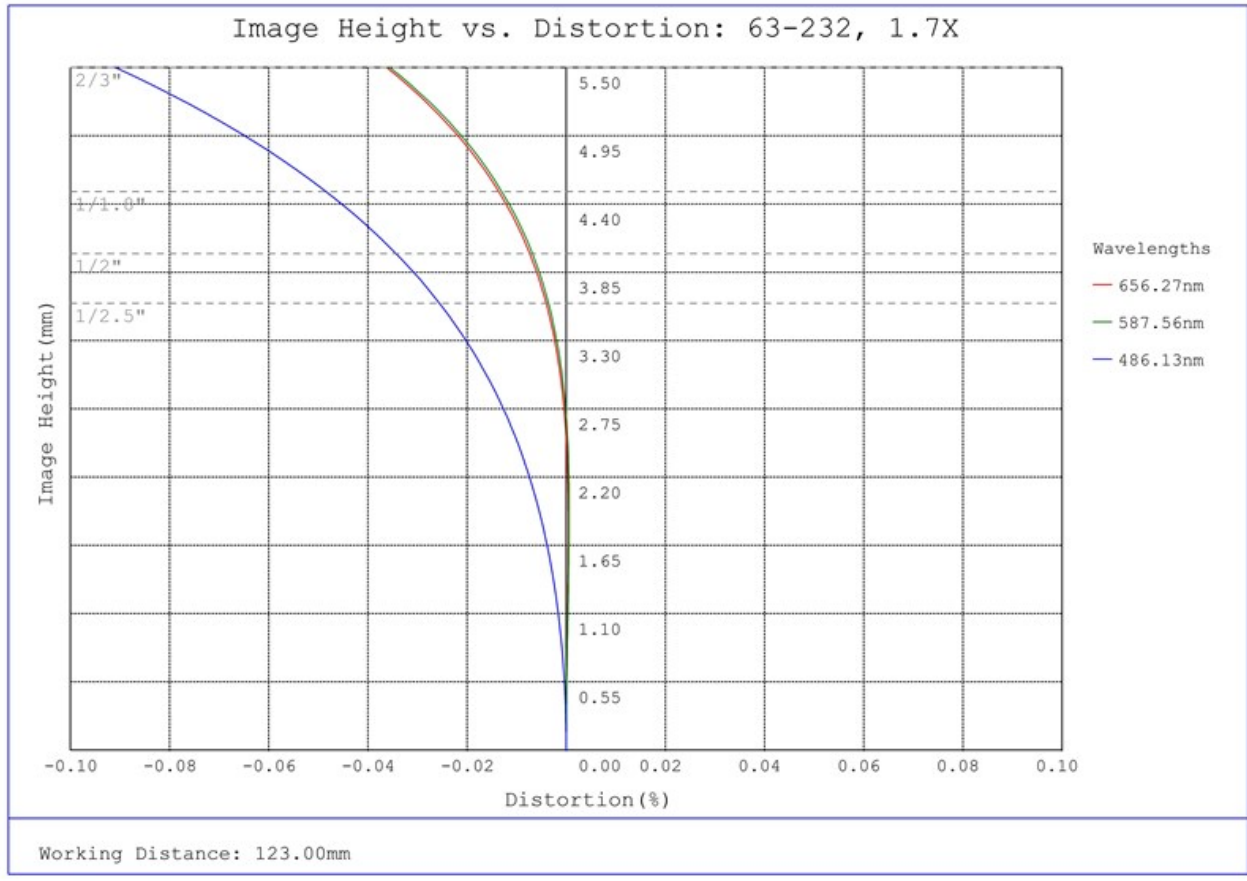
Horizontal Field of View, 1/2" Sensor:	3.7mm
Horizontal Field of View, 2/3" Sensor:	5.2mm
Numerical Aperture NA, Object Side:	0.083
Typical Telecentricity @ 588nm (°):	<0.080
Typical Distortion @ 588nm (%):	<0.020
Primary Magnification PMAG:	1.7X
Maximum Sensor Format:	2/3"
Working Distance (mm):	123.00
Aperture (f/#):	f/6 - f/22
FOV @ Max Sensor Format, H x V (mm):	5.2 x 3.9
Lens Wavelength Range:	VIS

Mechanical

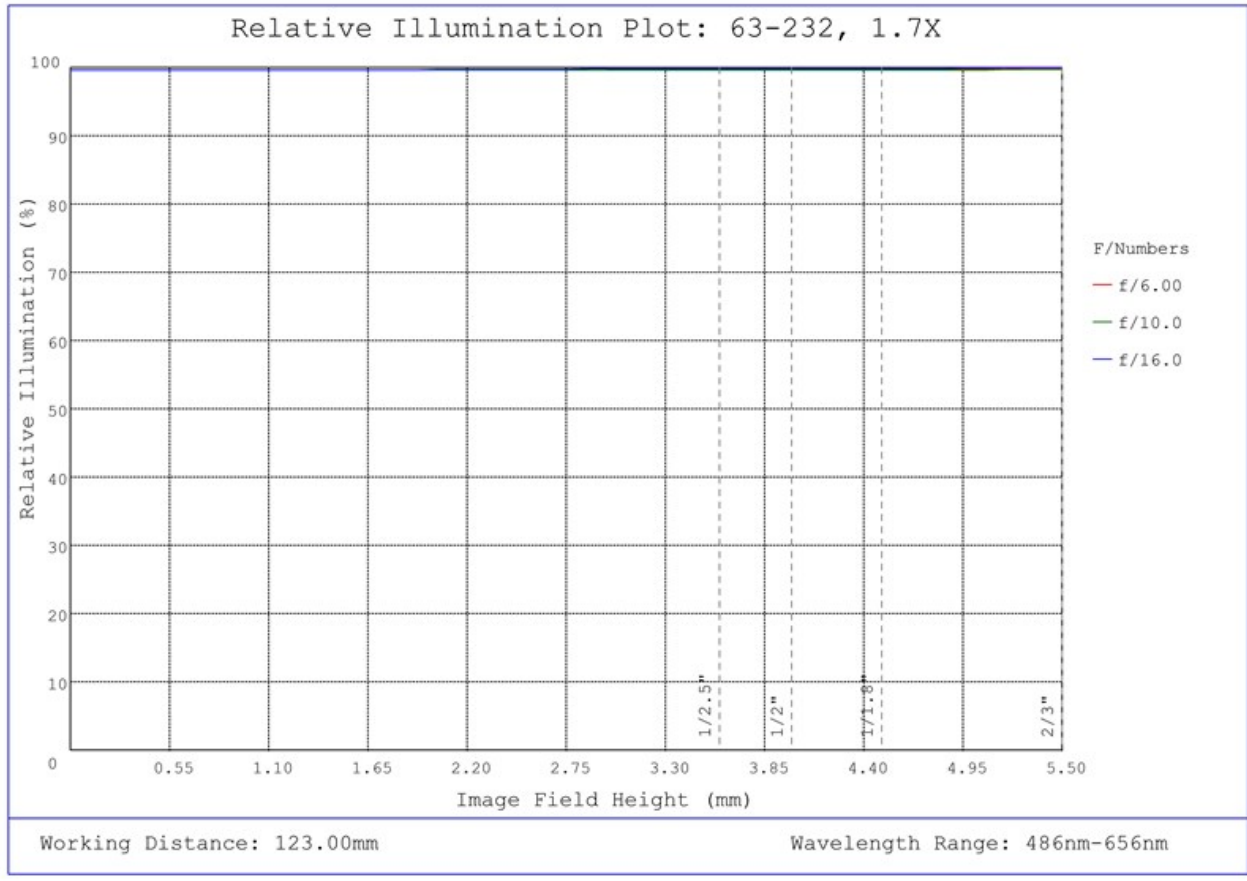
Length (mm):	189.50
Filter Thread:	M58 x 0.75 (Female)
Maximum Diameter (mm):	60.0
Weight (g):	746
Number of Elements (Groups):	10 (7)
Mount:	C-Mount

General

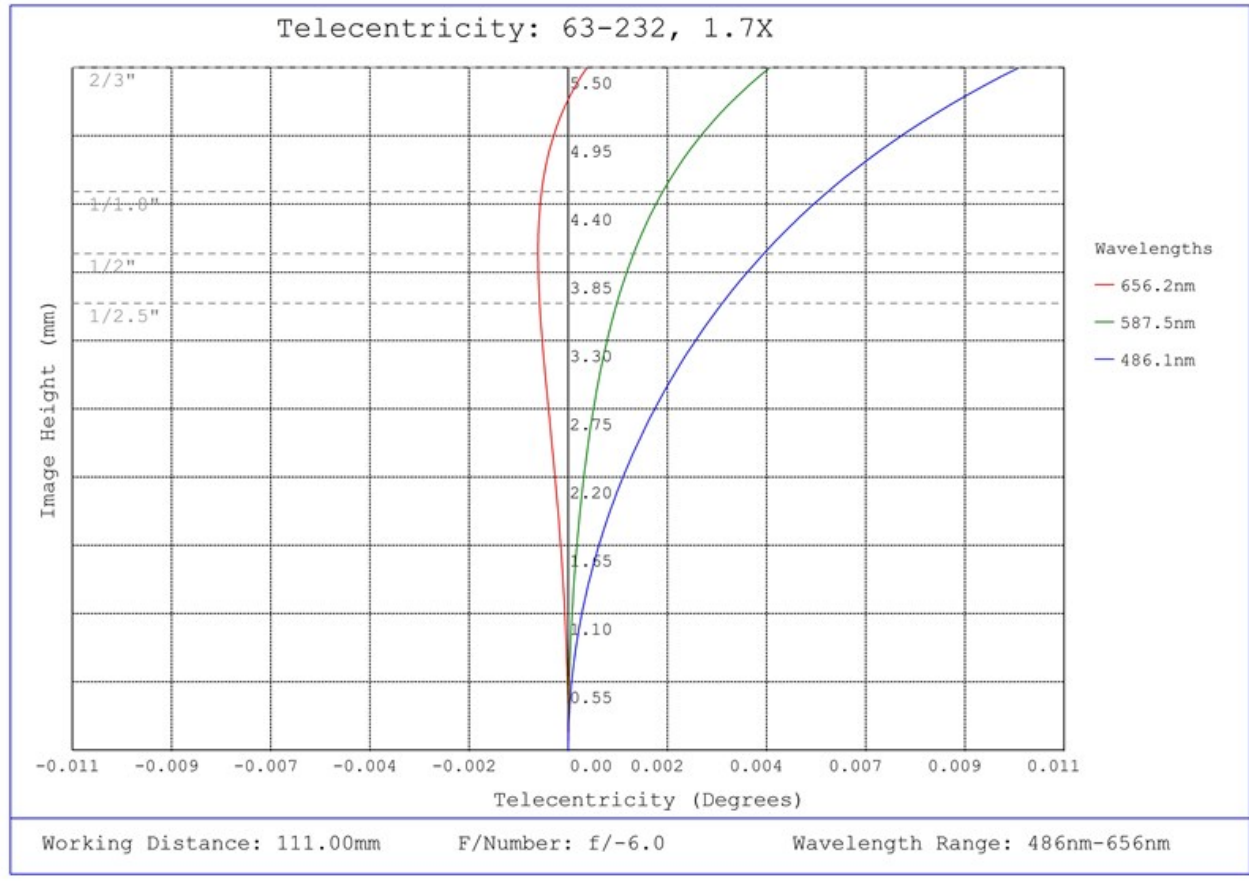
Stock No. of Mounting Clamp:	#63-233 Sold Separately
Type:	Telecentric Lens



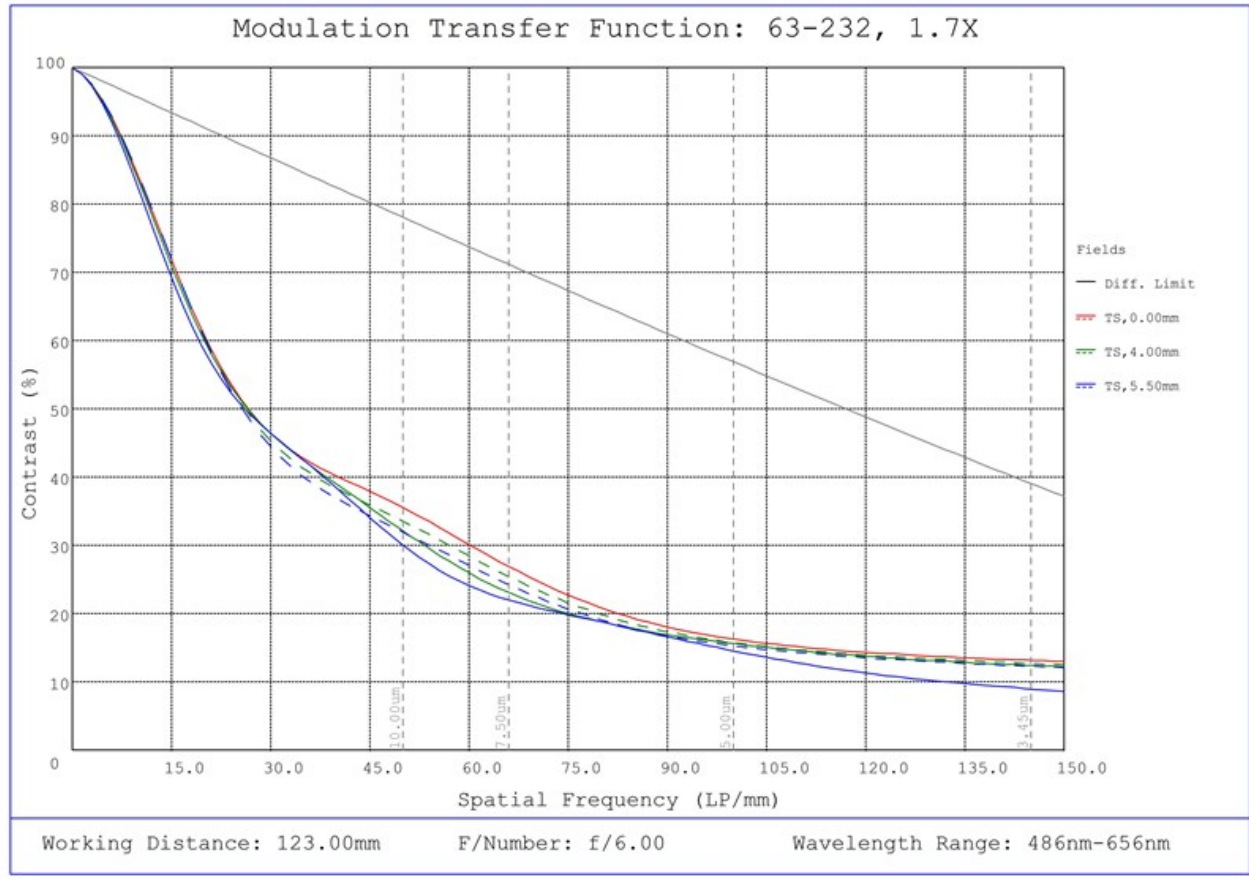
#63-232, 1.7X, 2/3" C-Mount PlatinumTL™ Telecentric Lens, Distortion Plot



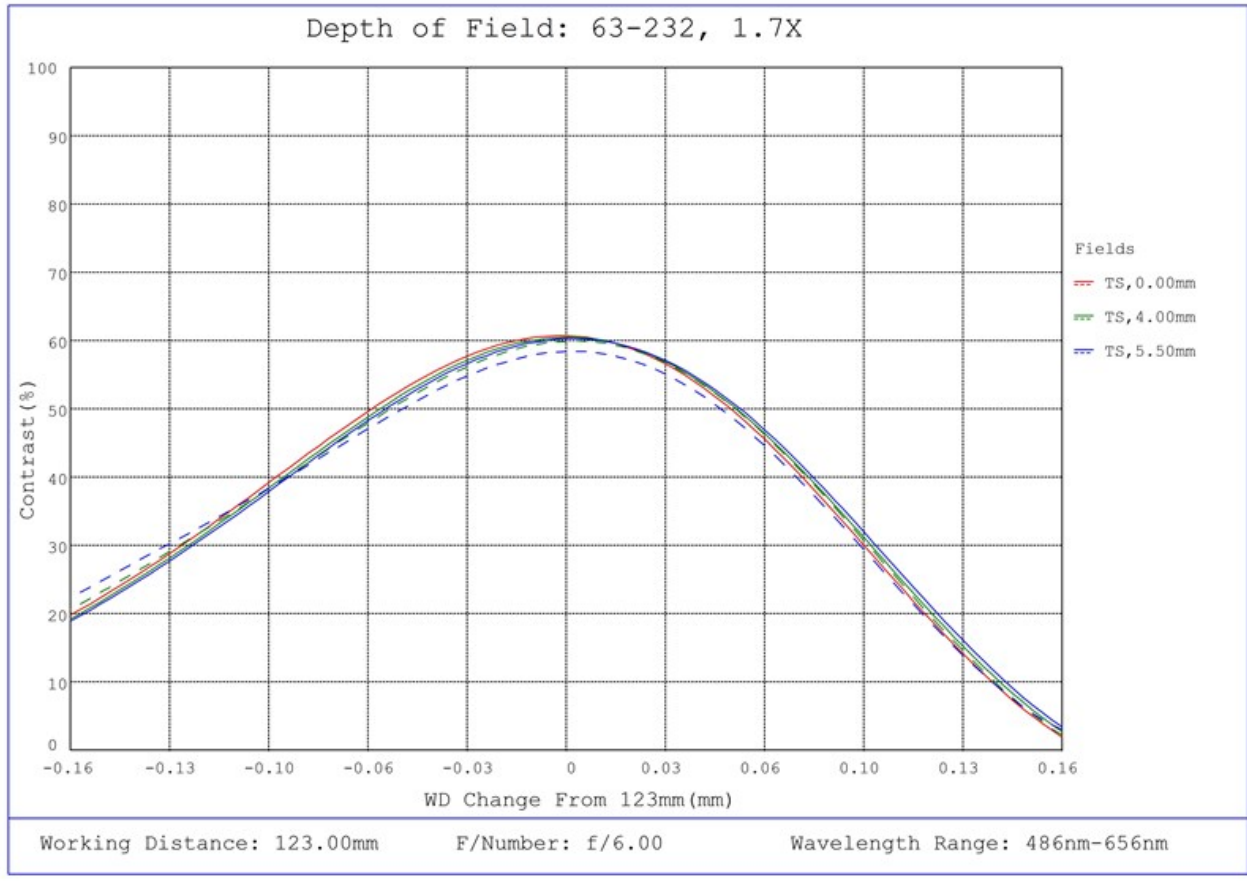
#63-232, 1.7X, 2/3" C-Mount PlatinumTL™ Telecentric Lens, Relative Illumination Plot



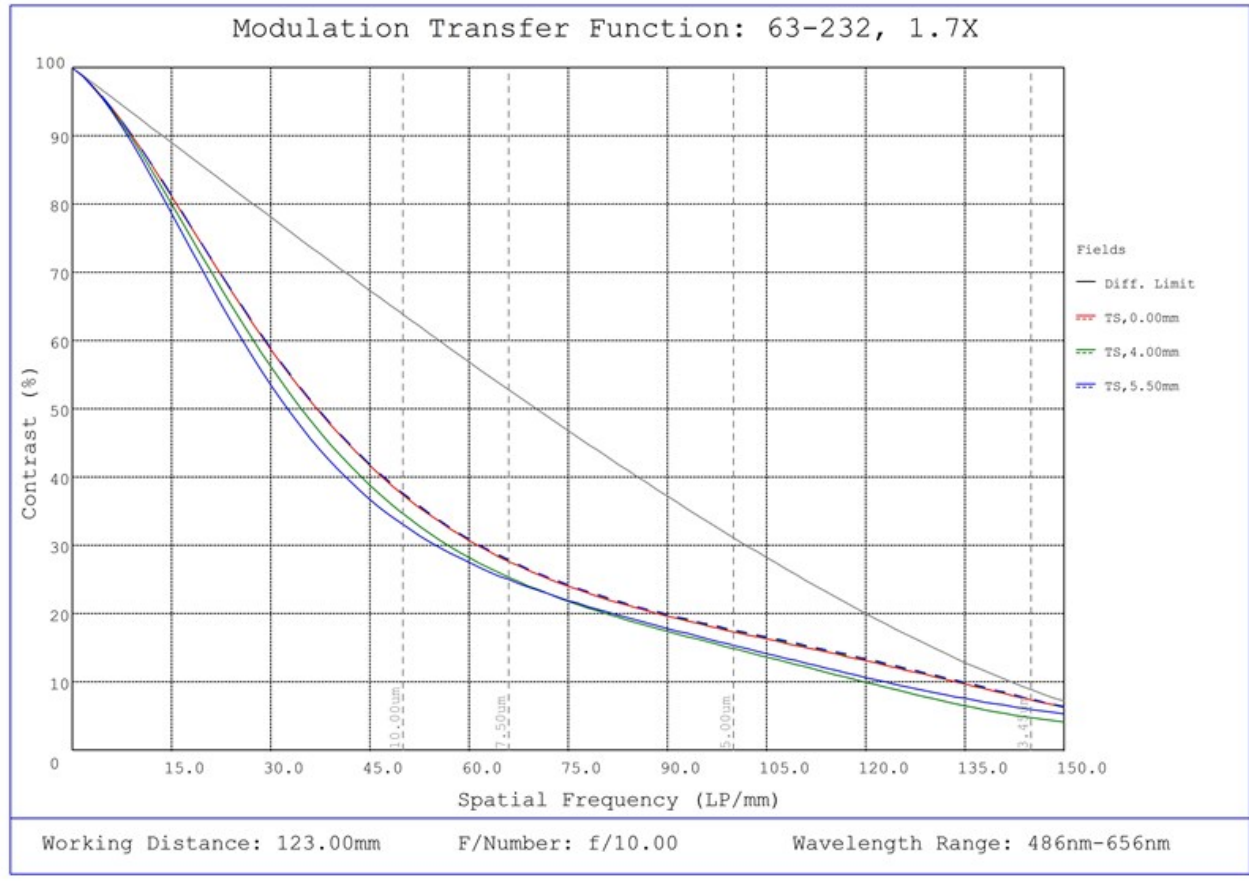
#63-232, 1.7X, 2/3" C-Mount PlatinumTL™ Telecentric Lens, Telecentricity Plot



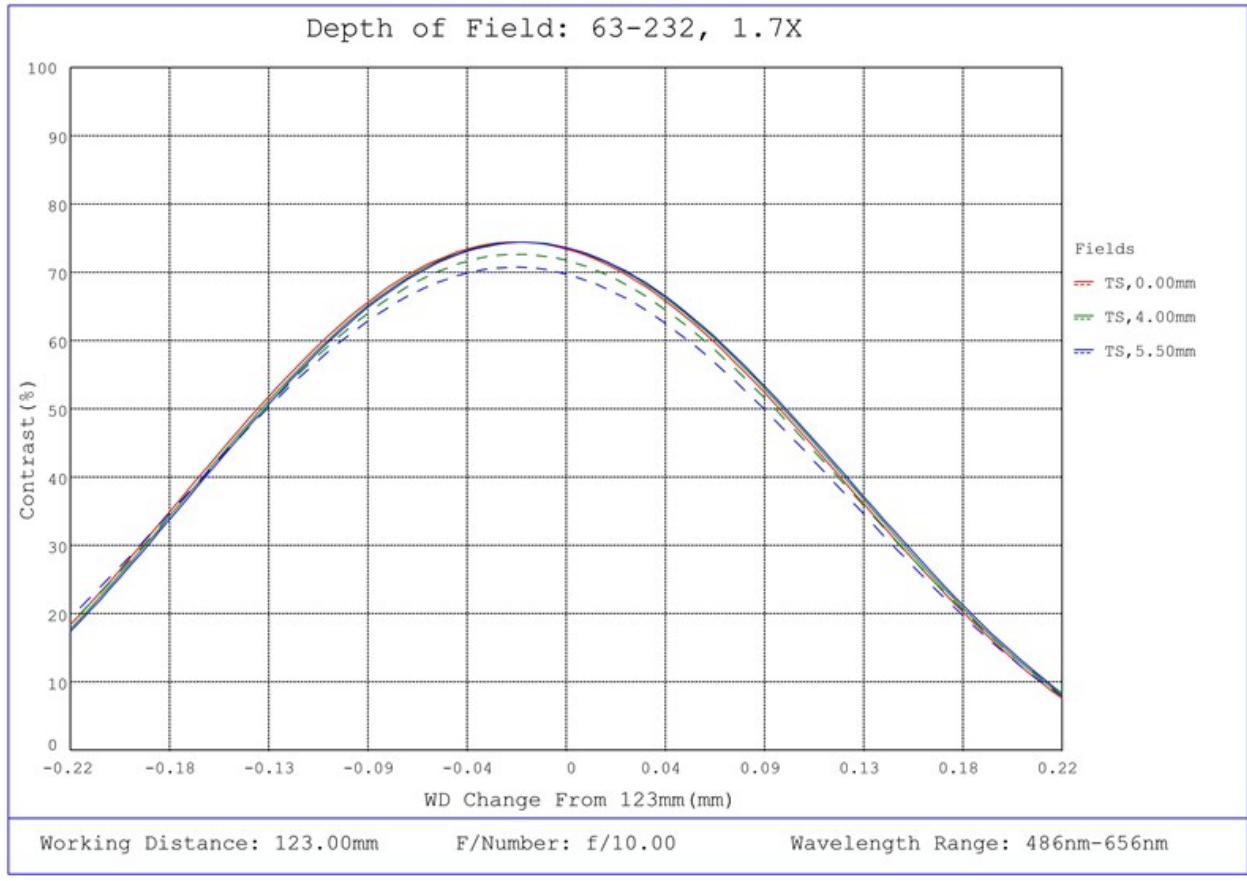
#63-232, 1.7X, 2/3" C-Mount PlatinumTL™ Telecentric Lens, Modulated Transfer Function (MTF) Plot, 123mm Working Distance, f6



#63-232, 1.7X, 2/3" C-Mount PlatinumTL™ Telecentric Lens, Depth of Field Plot, 123mm Working Distance, f6



#63-232, 1.7X, 2/3" C-Mount PlatinumTL™ Telecentric Lens, Modulated Transfer Function (MTF) Plot, 123mm Working Distance, f10



#63-232, 1.7X, 2/3" C-Mount PlatinumTL™ Telecentric Lens, Depth of Field Plot, 123mm Working Distance, f10



September 30, 2023

To Whom It May Concern,

This document certifies that the product stated below has been reviewed as requested by Edmund Optics:

<i>Stock No.</i>	<i>Description</i>
63-232	1.7X, 2/3" C-Mount PlatinumTL™ Telecentric Lens

This item is EU RoHS (2011/65/EU) exempt based on **Exemption 6c**: Copper alloy containing up to 4% lead by weight.

This certification means that:

- EO's suppliers have confirmed the material composition of this product.
- EO has implemented rigorous procedures to document this compliance.
- The information provided may, or may not, be based upon actual test data, or on information from our Vendors, Raw Material Suppliers or Subcontractors.

Jay Budd, Director of Corporate Compliance
September 30, 2023Edmund Optics Inc. - 101 E Gloucester Pike, Barrington, NJ 08007 | 1-800-363-1992 | Compliance@edmundoptics.com

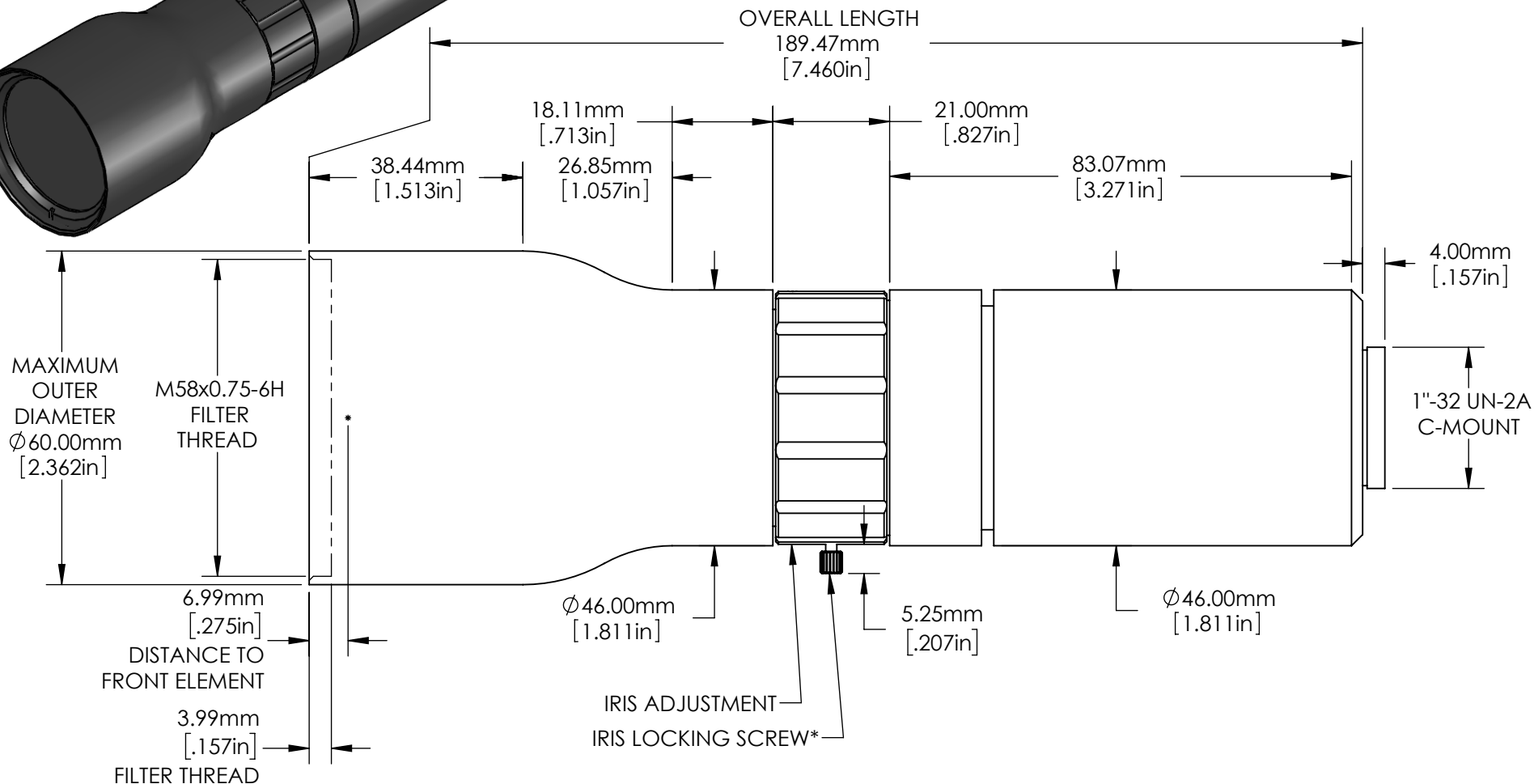
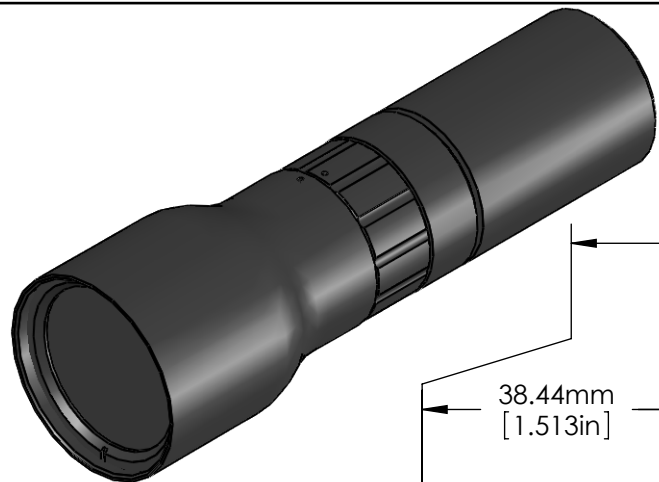
September 30, 2023

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Edmund Optics certifies that all articles included in this shipment are in compliance with the terms and conditions of this order. The company also certifies that the articles included in this shipment are in accordance to all agreed upon specifications and quality assurance provisions. Please call 1-800-363-1992 should any questions arise from this shipment.



Jeff Harvey- EVP of Operations



*ALSO INCLUDED RECESSED SET SCREW OPTION

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PARTS TO THIS DRAWING**

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. DIMENSIONS ARE FOR REFERENCE ONLY. FOR DETAILED SPECIFICATIONS, PLEASE REFER TO THE SPEC SHEET.



Edmund Optics®

TITLE 1.7X, 2/3" C-Mount PlatinumTL™ Telecentric Lens

DWG NO 63232

SHEET 1 OF 1

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