

TECHSPEC® 50mm Dia., 0.83 Numerical Aperture, Uncoated, Inked, High Precision Aspheric Lens

#37-438-INK



TECHSPEC® Precision Aspheric Lenses

해당 제품은 0.4λ RMS의 비구면 형상 오차가 특징인 CNC 연마 비구면 렌즈입니다. 정밀한 비구면 형상 오차로 인해 이미징 및 레이저 포커싱 어플리케이션 등에서 구면 수차를 보정해야 하는 용도로 사용하는 데 적합합니다. 광학 어셈블리에서 여러 구면 렌즈를 대체하여 무게와 비용을 절감하는 데 사용할 수도 있습니다. 6 - 50mm의 직경으로 제공되며 개구수(NA) 값이 높아 광 처리량이 극대화됩니다.

General

Type: Aspheric Lens

Physical & Mechanical Properties

Diameter (mm):	50.00 ±0.025
Centering (arcmin):	<3
Clear Aperture CA (mm):	45.00
Edge Thickness ET (mm):	7.35
Center Thickness CT (mm):	21.56 ±0.10
Bevel:	Protective bevel as needed
Shape of Back Surface:	Plano

Optical Properties

Effective Focal Length EFL (mm):	30.00 @ 587.6nm
Numerical Aperture NA:	0.83
Back Focal Length BFL (mm):	18.06
Substrate:	N-SF6
Asphere Figure Error, RMS @ 632.8nm:	0.4λ
Coating:	Uncoated
Surface Quality:	40-20
f/#:	0.60
Wavelength Range (nm):	390 - 2500
Conjugate Distance:	Infinite



June 22, 2025

To Whom It May Concern,

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

재고 번호	제품설명
37-438-INK	50mm Dia., 0.83 Numerical Aperture, Uncoated, Inked, High Precision Aspheric Lens

This item is EU RoHS (2011/65/EU) compliant without the use of exemptions.

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

June 22, 2025

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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

