

TECHSPEC® 25mm Dia. x 35mm FL, NIR II Coated, Double-Convex Lens

#67-649-INK



D양면 볼록렌즈는 (DCX) 안으로 향한 두 개의 곡면으로 되어 있으며 양수 초점거리를 가지고 있어 1:1 이미징과 다양한 구성의 시스템에 유용합니다.

General

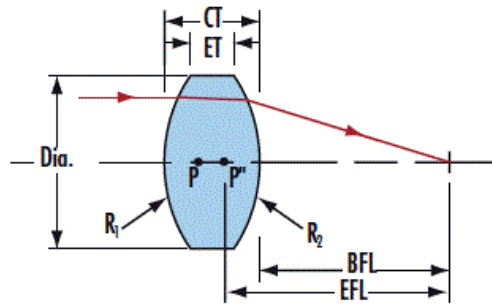
Type: Double-Convex Lens

Physical & Mechanical Properties

Diameter (mm):	25.00 ±0.025
Centering (arcmin):	<1
Center Thickness CT (mm):	6.60
Center Thickness Tolerance (mm):	±0.10
Edge Thickness ET (mm):	2.00
Clear Aperture CA (mm):	24.00

Optical Properties

Back Focal Length BFL (mm):	32.81
Effective Focal Length EFL (mm):	35.00
Coating:	NIR II (750-1550nm)
Coating Specification:	$R_{abs} \leq 1.5\% @ 750 - 800nm$ $R_{abs} \leq 1.0\% @ 800 - 1550nm$ $R_{avg} \leq 0.7\% @ 750 - 1550nm$
Substrate:	N-BK7
Surface Quality:	40-20
Power (P-V) @ 632.8nm:	1.5λ
Irregularity (P-V) @ 632.8nm:	λ/4
Radius $R_1 = -R_2$ (mm):	35.09
f/#:	1.4
Focal Length Specification Wavelength (nm):	587.6
Focal Length Tolerance (%):	±1.00
Numerical Aperture NA:	0.36
Wavelength Range (nm):	750 - 1550
Damage Threshold, By Design:	8 J/cm ² @ 1064nm, 10ns



June 24, 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
67-649-INK	25mm Dia. x 35mm FL, NIR II Coated, Double-Convex 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 24, 2025

Edmund Optics Inc. - 101 E Gloucester Pike, Barrington, NJ 08007 | 1-800-363-1992 | Compliance@edmundoptics.com



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재고 번호

67-649-INK

제품설명

25mm Dia. x 35mm FL, NIR II Coated, Double-Convex Lens

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

NOTES:

1. SUBSTRATE:
GRADE A FINE ANNEALED
SCHOTT: N-BK7 517/642
2. ROHS COMPLIANT
3. CENTERING TOLERANCE (AT 587.6nm):
BEAM DEVIATION (HALF ANGLE): <1 ARCMIN
4. COATING (APPLY ACROSS COATING APERTURE)
S1 & S2: NIR II
R(ABS) ≤ 1.5% FROM 750-800nm @ 0° AOI
R(ABS) ≤ 1.0% FROM 800-1550nm @ 0° AOI
R(AVG) ≤ 0.7% FROM 750-1550nm @ 0° AOI

5. FINE GRIND SURFACE

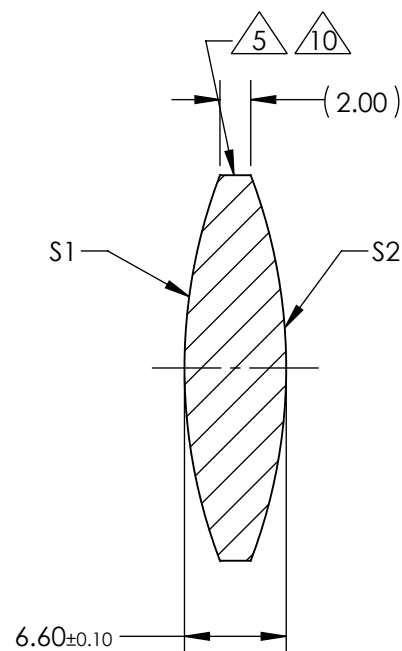
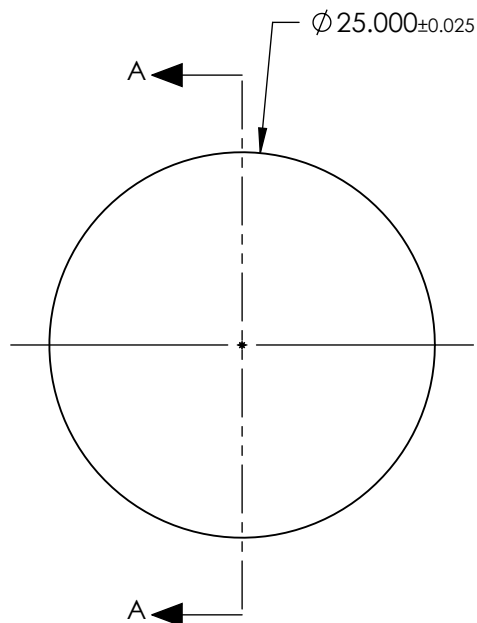
6. POWER, IRREGULARITY, AND SURFACE QUALITY
SPECIFICATIONS APPLY ACROSS CLEAR APERTURE

7. FOCAL LENGTH (EFL): 35.00mm±1%
BACK FOCAL LENGTH (BFL): 32.81mm

8. PROTECTIVE BEVEL AS NEEDED

9. DESIGN WAVELENGTH: 587.6nm

10. BLACKENED SURFACE



SECTION A-A

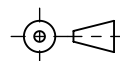
FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING

	S1	S2
SHAPE	CONVEX	CONVEX
RADIUS	35.09	35.09
SURFACE QUALITY	40 - 20	40 - 20
MIN CLEAR APERTURE	Ø 24.00	Ø 24.00
MIN COATING APERTURE	Ø 24.00	Ø 24.00
POWER AT 632.8nm	3.00 RINGS	3.00 RINGS
IRREGULARITY AT 632.8nm	0.50 RINGS	0.50 RINGS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

EO® **Edmund Optics**®

THIRD ANGLE
PROJECTION



ALL DIMS IN

mm

TITLE

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Double-Convex Lens

DWG NO

67649INK

SHEET
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