

TECHSPEC® 9.0mm Dia. x 25mm FL, NIR I, Inked, Plano-Convex Lens

#38-334-INK



해당 제품은 양(+)의 초점 거리를 가지므로 이미징 어플리케이션에서 빛을 모으고 초점을 맞추는 데 적합합니다. 또한, 이미터(emitter), 디텍터, 레이저, 광섬유 등과 관련된 여러 어플리케이션에도 유용합니다. 해당 제품은 다양한 직경 및 초점 거리 옵션이 제공됩니다. 동일한 설계가 적용된 해당 제품군은 [비코팅](#) 옵션과 [MgF₂](#), [VIS 0°](#), [VIS-NIR](#), [NIR II](#), [VIS-EXT](#), [YAG-BBAR](#) 등의 BBAR 코팅 옵션도 제공됩니다.

General

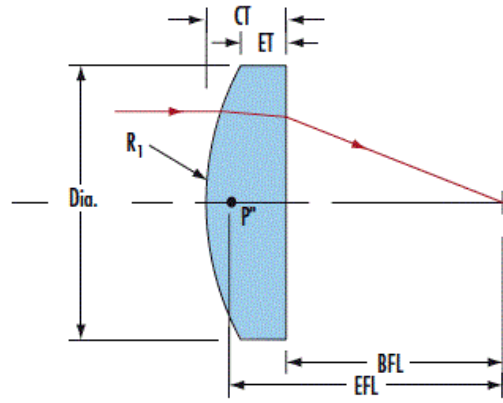
Type: Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):	9.00 \pm 0.025
Centering (arcmin):	<1
Center Thickness CT (mm):	2.00 \pm 0.05
Edge Thickness ET (mm):	1.19
Clear Aperture CA (mm):	8.1
Bevel:	Protective bevel as needed

Optical Properties

Effective Focal Length EFL (mm):	25.00 @ 587.6nm
Back Focal Length BFL (mm):	23.68
Coating:	NIR I (600-1050nm)
Coating Specification:	$R_{avg} \leq 0.5\%$ @ 600 - 1050nm
Substrate:	N-BK7
Surface Quality:	40-20
Power (P-V) @ 632.8nm:	1.5 λ
Irregularity (P-V) @ 632.8nm:	$\lambda/4$
Focal Length Tolerance (%):	± 1
Radius R ₁ (mm):	12.92
f/#:	2.78
Numerical Aperture NA:	0.18
Wavelength Range (nm):	600 - 1050
Damage Threshold, By Design:	7 J/cm ² @ 1064nm, 10ns



June 20, 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
38-334-INK	9.0mm Dia. x 25mm FL, NIR I, Inked, Plano-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 20, 2025

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



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재고 번호

38-334-INK

제품설명



9.0mm Dia. x 25mm FL, NIR I, Inked, Plano-Convex Lens

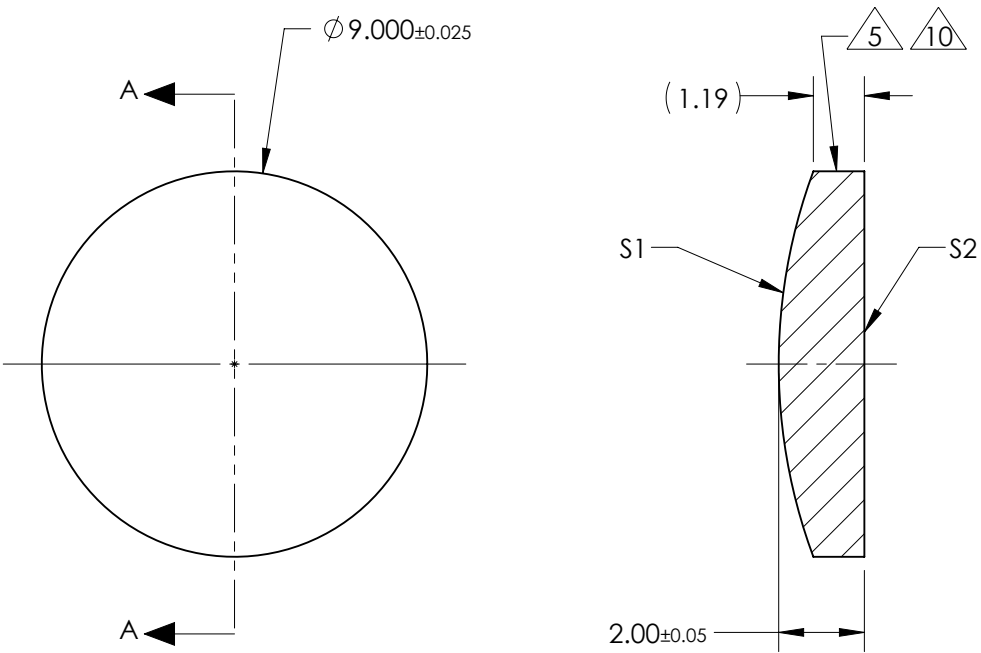
Edmund Optics certifies that all articles included in this shipment are in compliance with the terms and conditions of this order. The company also certifies that the articles included in this shipment are in accordance to all agreed upon specifications and quality assurance provisions. Please call 1-800-363-1992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



Jeff Harvey- EVP of Operations

NOTES:

- SUBSTRATE:
GRADE A FINE ANNEALED
SCHOTT: N-BK7 517/642
- ROHS COMPLIANT
- CENTERING TOLERANCE (AT 587.6nm):
BEAM DEVIATION (HALF ANGLE): <1 ARCMIN
- COATING (APPLY ACROSS COATING APERTURE)
S1 & S2: NIR I
R(AVG) ≤ 0.5% FROM 600-1050nm @ 0° AOI
-  FINE GRIND SURFACE
- POWER, IRREGULARITY, AND SURFACE QUALITY
SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
- FOCAL LENGTH (EFL): 25.00mm ±1%
BACK FOCAL LENGTH (BFL): 23.68mm
- PROTECTIVE BEVEL AS NEEDED
- DESIGN WAVELENGTH: 587.6nm
-  BLACKENED SURFACE



SECTION A-A

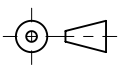
FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	12.92	INFINITY
SURFACE QUALITY	40 - 20	40 - 20
MIN CLEAR APERTURE	Ø 8.10	Ø 8.10
MIN COATING APERTURE	Ø 8.00	Ø 8.00
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

 **Edmund Optics®**

TITLE	9.0mm Dia. x 25.0mm FL, NIR I, Inked, Plano-Convex Lens		
DWG NO	38334INK	SHEET 1 OF 1	

THIRD ANGLE PROJECTION	
ALL DIMS IN	mm