

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

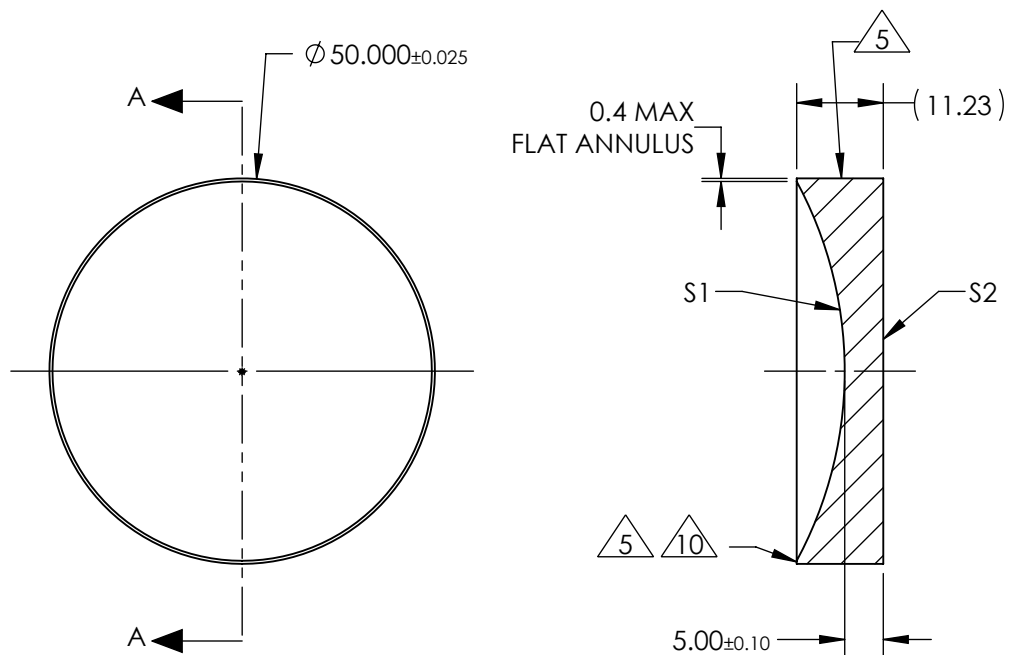
6. POWER, IRREGULARITY, AND SURFACE QUALITY
SPECIFICATIONS APPLY ACROSS CLEAR APERTURE

7. FOCAL LENGTH (EFL): -100.00mm±1%
BACK FOCAL LENGTH (BFL): -103.30mm

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	CONCAVE	PLANO
RADIUS	51.68	INFINITY
SURFACE QUALITY	40 - 20	40 - 20
MIN CLEAR APERTURE	Ø 49.00	Ø 49.00
MIN COATING APERTURE	Ø 49.00	Ø 49.00
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

50mm Diameter x -100 FL, NIR II, Inked,
Plano-Concave Lens

DWG NO

68003INK

SHEET
1 OF 1