

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: VIS-NIR
R(ABS) ≤ 0.25% AT 880nm @ 0° AOI
R(AVG) ≤ 1.25% FROM 400-870nm @ 0° AOI
R(AVG) ≤ 1.25% FROM 890-1000nm @ 0° AOI

△ 5. FINE GRIND SURFACE

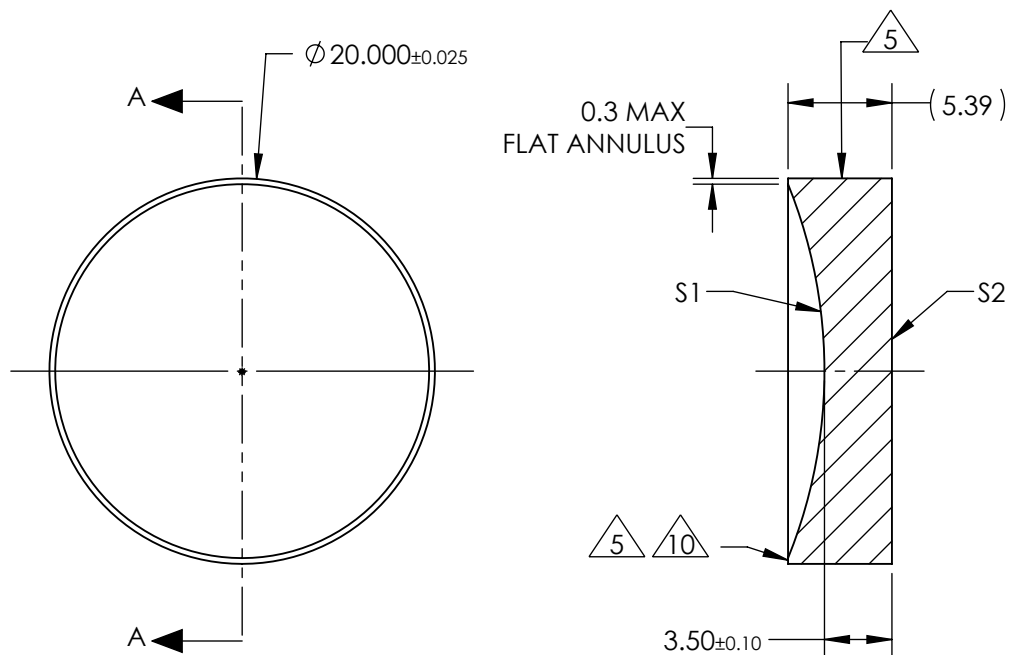
6. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE

7. FOCAL LENGTH (EFL): -50.00mm±1%
BACK FOCAL LENGTH (BFL): -52.31mm

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**

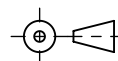
	S1	S2
SHAPE	CONCAVE	PLANO
RADIUS	25.84	INFINITY
SURFACE QUALITY	40 - 20	40 - 20
MIN CLEAR APERTURE	Ø 19.00	Ø 19.00
MIN COATING APERTURE	Ø 19.00	Ø 19.00
POWER AT 632.8nm	3.00 RINGS	3.00 RINGS
IRREGULARITY AT 632.8nm	0.50 RINGS	0.50 RINGS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

Edmund Optics®

TITLE	20mm Diameter x -50 FL, VIS-NIR, Inked, Plano-Concave Lens		
DWG NO	45921INK	SHEET 1 OF 1	

THIRD ANGLE
PROJECTION



ALL DIMS IN

mm