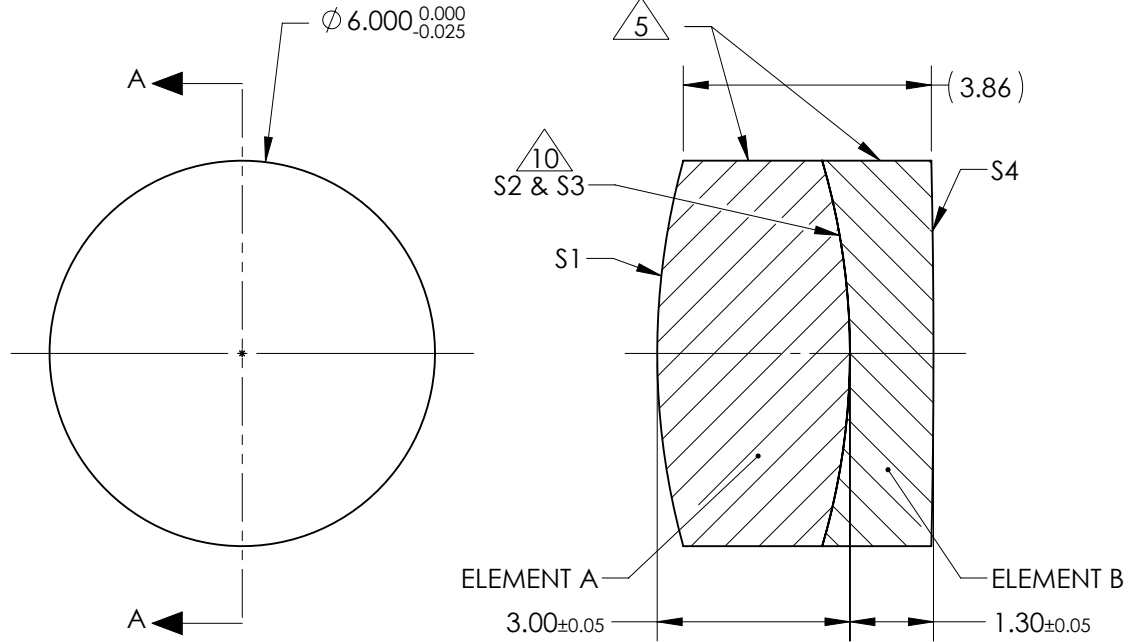


NOTES:

1. SUBSTRATE:
ELEMENT A: GRADE A FINE ANNEALED
SCHOTT: N-LaK22 651/559

ELEMENT B: GRADE A FINE ANNEALED
SCHOTT: N-SF6 805/254
2. ROHS COMPLIANT
3. CENTERING TOLERANCE (AT 587.6nm):
BEAM DEVIATION (HALF ANGLE): <1 ARCMIN
4. COATING (APPLY ACROSS COATING APERTURE)

S1 & S4: 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
S2 & S3: NONE
5. FINE GRIND SURFACE
6. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
7. FOCAL LENGTH (EFL): 20.00mm ±2%
BACK FOCAL LENGTH (BFL): 17.27mm
8. PROTECTIVE BEVEL AS NEEDED
9. DESIGN WAVELENGTH: 880nm
10. ELEMENTS TO BE CEMENTED WITH NORLAND OPTICAL ADHESIVE NOA61



SECTION A-A

**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**

| ELEMENT TITLE | SPECIFICATIONS AFTER CEMENTING | | | |
|-------------------------|--------------------------------|------------|------------|------------|
| | ELEMENT A | | ELEMENT B | |
| SURFACE | S1 | S2 | S3 | S4 |
| SHAPE | CONVEX | CONVEX | CONCAVE | CONVEX |
| RADIUS | 11.29 | 10.63 | 10.63 | 134.80 |
| SURFACE QUALITY | 40 - 20 | 40 - 20 | 40 - 20 | 40 - 20 |
| MIN CLEAR APERTURE | Ø 5.40 | Ø 5.40 | Ø 5.40 | Ø 5.40 |
| MIN COATING APERTURE | Ø 5.00 | N/A | N/A | Ø 5.00 |
| POWER AT 632.8nm | 3.00 RINGS | 3.00 RINGS | 3.00 RINGS | 3.00 RINGS |
| IRREGULARITY AT 632.8nm | 0.50 RINGS | 0.50 RINGS | 0.50 RINGS | 0.50 RINGS |

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

EO® Edmund Optics®

| | | | |
|------------------------|----|--------|--|
| THIRD ANGLE PROJECTION | | TITLE | 6mm Dia. x 20mm FL, NIR II Coated, Achromatic Lens |
| ALL DIMS IN | mm | DWG NO | 45786 |
| | | | SHEET 1 OF 1 |