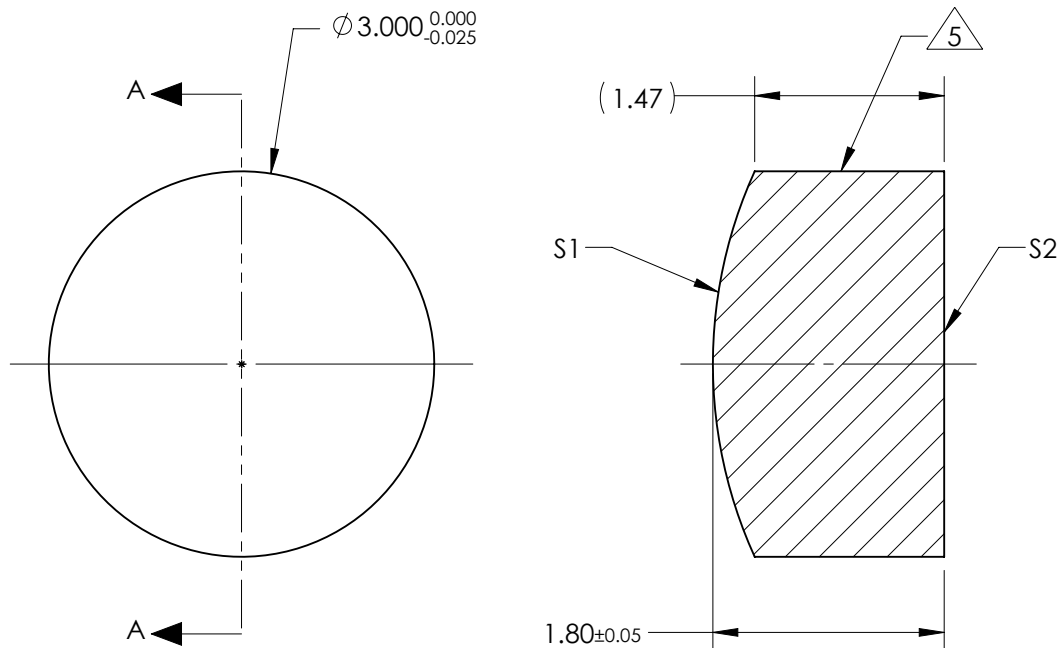


NOTES:

1. SUBSTRATE:  
GRADE A FINE ANNEALED  
SCHOTT: N-LaSF44 803/464
2. ROHS COMPLIANT
3. CENTERING TOLERANCE (AT 587.6nm):  
BEAM DEVIATION (HALF ANGLE): <45 ARCMIN
4. COATING (APPLY ACROSS COATING APERTURE)  
S1 & S2: ¼ WAVE MgF2 @ 550nm  
R(AVG) < 1.75% FROM 400-700nm (N-BK7)
5. FINE GRIND SURFACE
6. POWER, IRREGULARITY, AND SURFACE QUALITY  
SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
7. FOCAL LENGTH (EFL): 4.50mm±1%  
BACK FOCAL LENGTH (BFL): 3.50mm
8. PROTECTIVE BEVEL AS NEEDED
9. DESIGN WAVELENGTH: 587.6nm



SECTION A-A

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

|                         | S1         | S2         |
|-------------------------|------------|------------|
| SHAPE                   | CONVEX     | PLANO      |
| RADIUS                  | 3.62       | INFINITY   |
| SURFACE QUALITY         | 20 - 10    | 20 - 10    |
| MIN CLEAR APERTURE      | Ø 2.50     | Ø 2.50     |
| MIN COATING APERTURE    | Ø 2.50     | Ø 2.50     |
| 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

3.0mm Dia. x 4.5mm FL, MgF2 Coated,  
Plano-Convex Lens

DWG NO

45142

SHEET  
1 OF 1