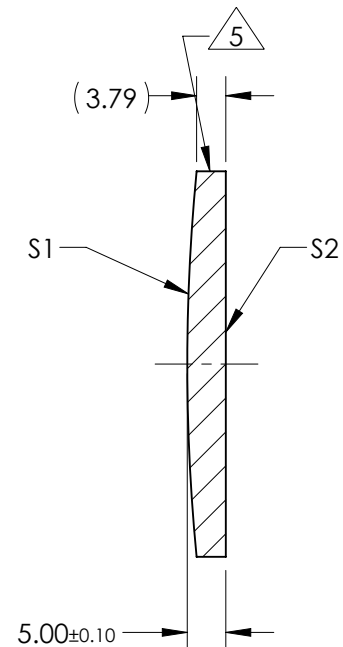
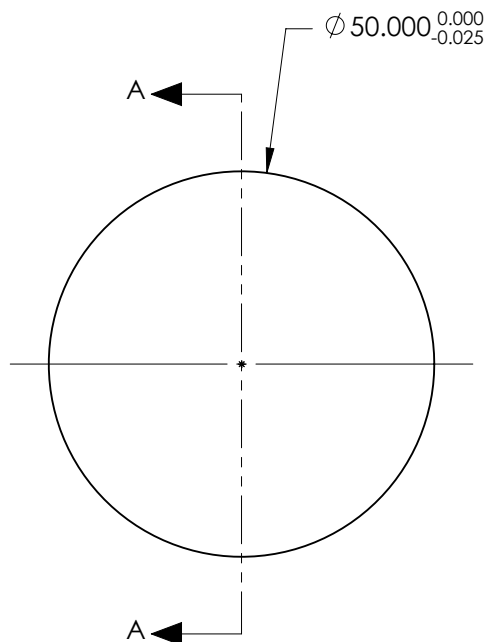


NOTES:

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: 633nm V-COAT  
R(ABS) < 0.25% @ 633nm @ 0° AOI
5. FINE GRIND SURFACE
6. POWER, IRREGULARITY, AND SURFACE QUALITY  
SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
7. FOCAL LENGTH (EFL): 500.00mm±1%  
BACK FOCAL LENGTH (BFL): 496.70mm
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                  | 258.40     | 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**®



ALL DIMS IN mm

TITLE 50.0mm Diameter x 500.0mm FL, 633nm V-Coat, PCX Lens

DWG NO 69464 SHEET 1 OF 1