

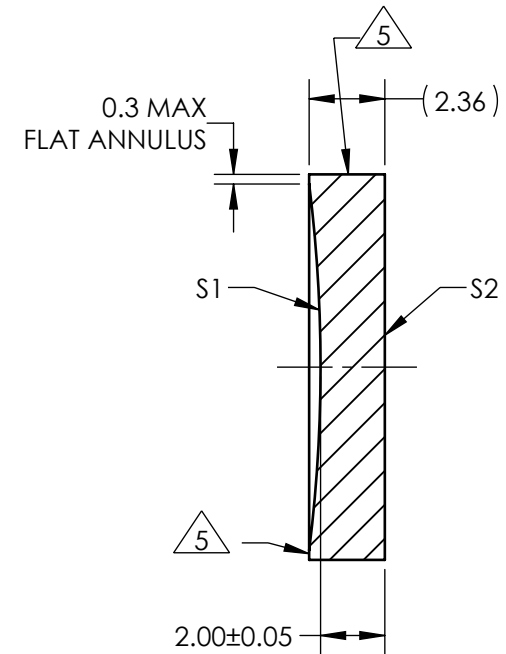
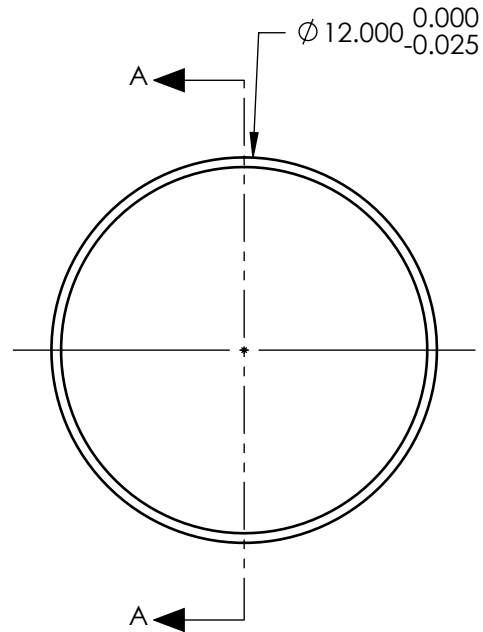
NOTES:

1. SUBSTRATE:  
Fused Silica 458/678
2. ROHS COMPLIANT
3. CENTERING TOLERANCE (AT 587.6nm):  
BEAM DEVIATION (HALF ANGLE): <1 ARCMIN
4. COATING (APPLY ACROSS COATING APERTURE)

S1 & S2: UV-VIS  
R(AVG) ≤ 1.5% FROM 250 - 700nm @ 0° AOI  
R(ABS) ≤ 1.0% FROM 350 - 450nm @ 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): -101.37mm
8. PROTECTIVE BEVEL AS NEEDED
9. DESIGN WAVELENGTH: 587.6nm



SECTION A-A

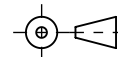
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

|                         | S1         | S2         |
|-------------------------|------------|------------|
| SHAPE                   | CONCAVE    | PLANO      |
| RADIUS                  | 45.85      | INFINITY   |
| SURFACE QUALITY         | 40 - 20    | 40 - 20    |
| MIN CLEAR APERTURE      | Ø 11.00    | Ø 11.00    |
| MIN COATING APERTURE    | Ø 11.00    | Ø 11.00    |
| 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

12mm Dia x -100mm FL, UV-VIS Coated,  
Plano-Concave Lens

DWG NO

71101

SHEET  
1 OF 1