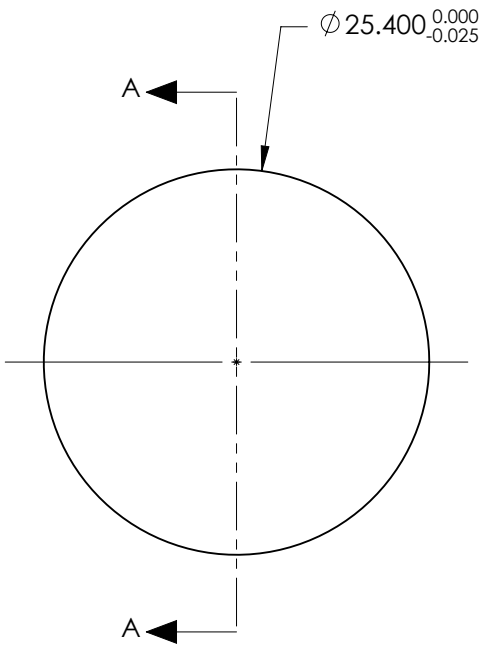
NOTES:

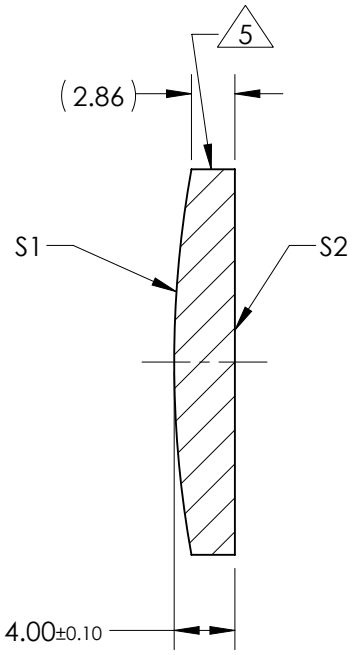
1. SUBSTRATE:
   CORNING: FUSED SILICA 458/678
2. ROHS COMPLIANT
3. CENTERING TOLERANCE (AT 587.6nm):
   BEAM DEVIATION (HALF ANGLE): <1 ARCMIN
4. COATING (APPLY ACROSS COATING APERTURE)

   S1 & S2: 532nm Laser AR Coating
   R(ABS) < 0.25% @ 532nm @ 0° AOI

   DAMAGE THRESHOLD
   PULSED: 10J/cm² @ 20ns, 20Hz @ 532nm

5. FINE GRIND SURFACE
6. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
7. FOCAL LENGTH (EFL): 150.00mm ±1%
   BACK FOCAL LENGTH (BFL): 147.33mm
8. PROTECTIVE BEVEL AS NEEDED
9. DESIGN WAVELENGTH: 355nm





SECTION A-A

FOR INFORMATION ONLY:
DO NOT MANUFACTURE PARTS TO THIS DRAWING

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	71.41	INFINITY
SURFACE QUALITY	10 - 5	10 - 5
MIN CLEAR APERTURE	∅21.59	∅21.59
MIN COATING APERTURE	∅21.59	∅21.59
POWER AT 632.8nm	2.0 RINGS	2.0 RINGS
IRREGULARITY AT 632.8nm	0.2 RINGS	0.2 RINGS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

Edmund Optics®

THIRD ANGLE PROJECTION

ALL DIMS IN mm

TITLE: 25.4mm Dia x 150mm EFL, 532nm Coated, Laser Grade PCX Lens

DWG NO: 38701

SHEET 1 OF 1