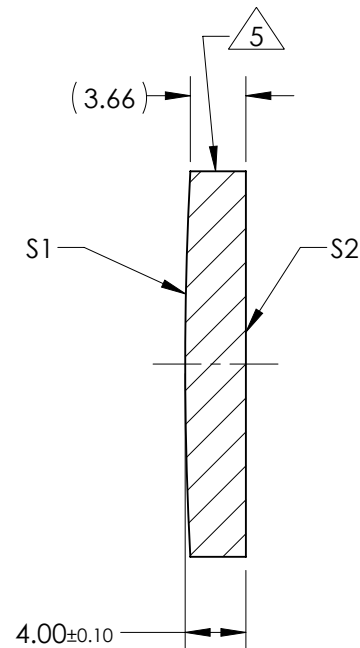
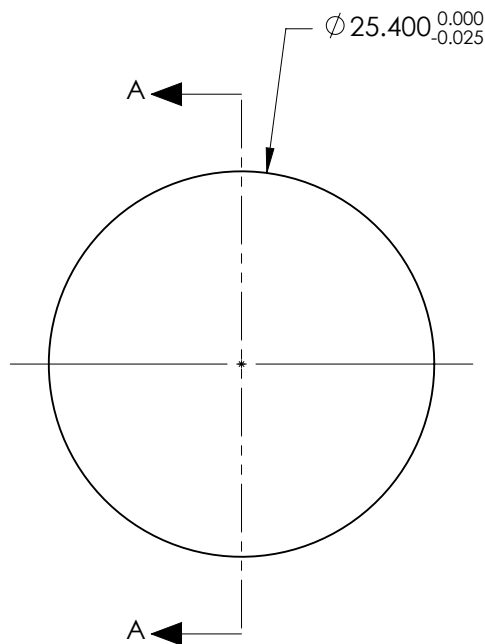


NOTES:

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: 266nm Laser AR Coating  
R(ABS) < 0.25% @ 266nm @ 0° AOI  
  
DAMAGE THRESHOLD  
PULSED: 3J/cm<sup>2</sup> @ 20ns, 20Hz @ 266nm

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): 497.44mm
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	238.04	INFINITY
SURFACE QUALITY	10 - 5	10 - 5
MIN CLEAR APERTURE	Ø 21.59	Ø 21.59
MIN COATING APERTURE	Ø 21.59	Ø 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

**EO**® **Edmund Optics**®



THIRD ANGLE  
PROJECTION

ALL DIMS IN

mm

TITLE

25.4mm Dia x 500mm EFL, 266nm  
Coated, Laser Grade PCX Lens

DWG NO

38654

SHEET  
1 OF 1