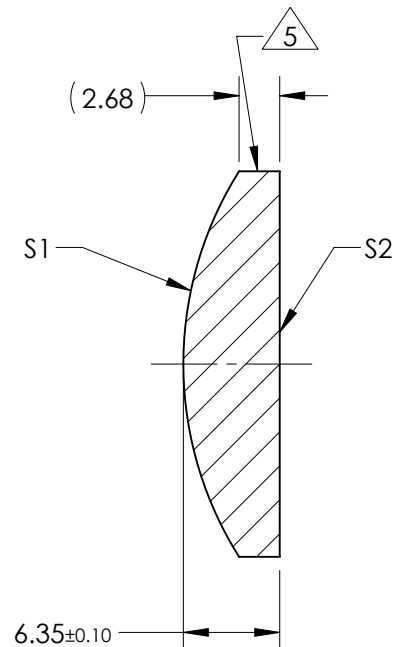
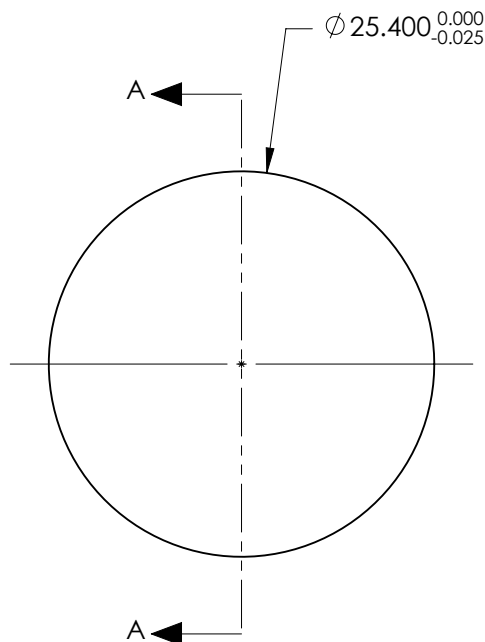


NOTES:

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: 1064nm Laser AR Coating
R(ABS) < 0.25% @ 1064nm @ 0° AOI

DAMAGE THRESHOLD
PULSED: 15J/cm² @ 20ns, 20Hz @ 1064nm
5. FINE GRIND SURFACE
6. POWER, IRREGULARITY, AND SURFACE QUALITY
SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
7. FOCAL LENGTH (EFL): 50.00mm ±1%
BACK FOCAL LENGTH (BFL): 45.71mm
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	23.80	INFINITY
SURFACE QUALITY	10 - 5	10 - 5
MIN CLEAR APERTURE	$\phi 21.59$	$\phi 21.59$
MIN COATING APERTURE	$\phi 21.59$	$\phi 21.59$
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**®



ALL DIMS IN mm

TITLE	25.4mm Dia x 50mm EFL, 1064nm Coated, Laser Grade PCX Lens		
DWG NO	38722	SHEET	1 OF 1