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 CLEAR APERTURE)

   S1 & S2: 261.4nm Laser AR Coating
   R(ABS) < 0.25% @ 261.4nm @ 0°AOI

   DAMAGE THRESHOLD
   PULSED: 3J/cm² @ 20ns, 20Hz @ 266nm

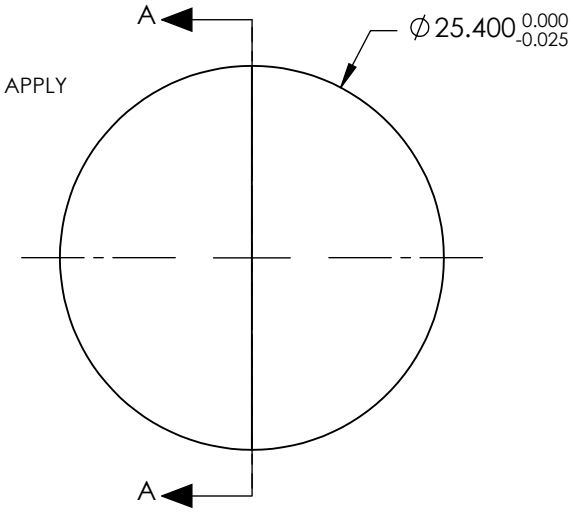
5. FINE GRIND SURFACE

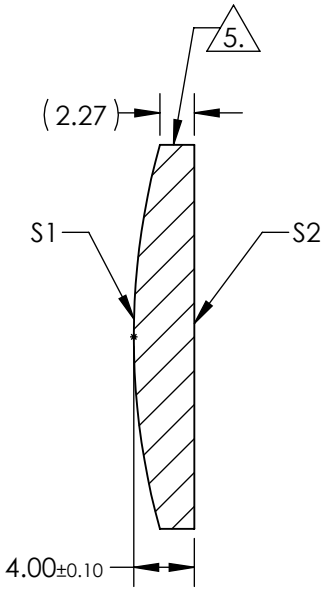
6. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE

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	Ø21.59	Ø21.59
MIN COATING APERTURE	Ø21.59	Ø21.59
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		TITLE	25.4mm Dia. x 100mm FL, 261.4nm Coated, Laser Grade PCX Lens	
ALL DIMS IN	mm	DWG NO	19739	SHEET 1 OF 1