

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

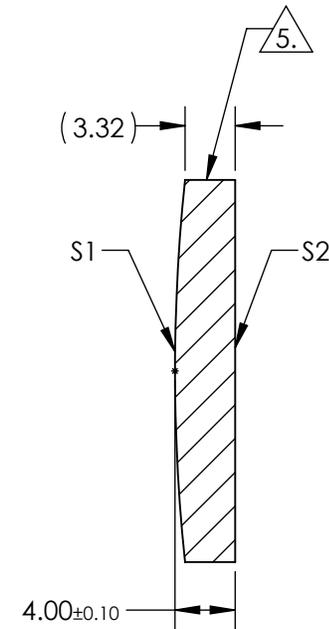
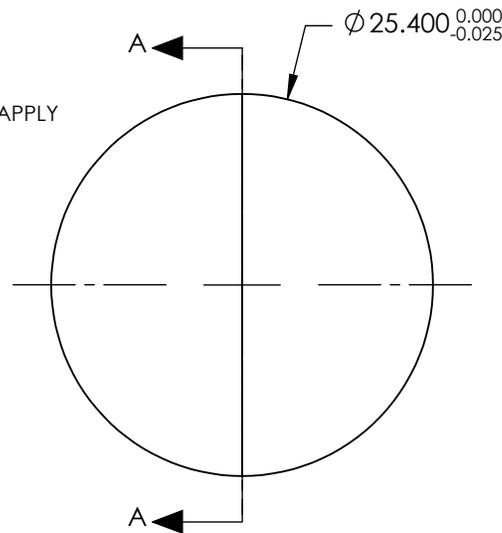
6. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE

7. FOCAL LENGTH (EFL): 50.00mm ±1%

BACK FOCAL LENGTH (BFL): 45.71mm

8. PROTECTIVE BEVEL AS NEEDED

9. DESIGN WAVELENGTH: 355nm



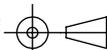
SECTION A-A

**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	∅ 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 250mm FL, 261.4nm Coated,
Laser Grade PCX Lens

DWG NO

19740

SHEET
1 OF 1