

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

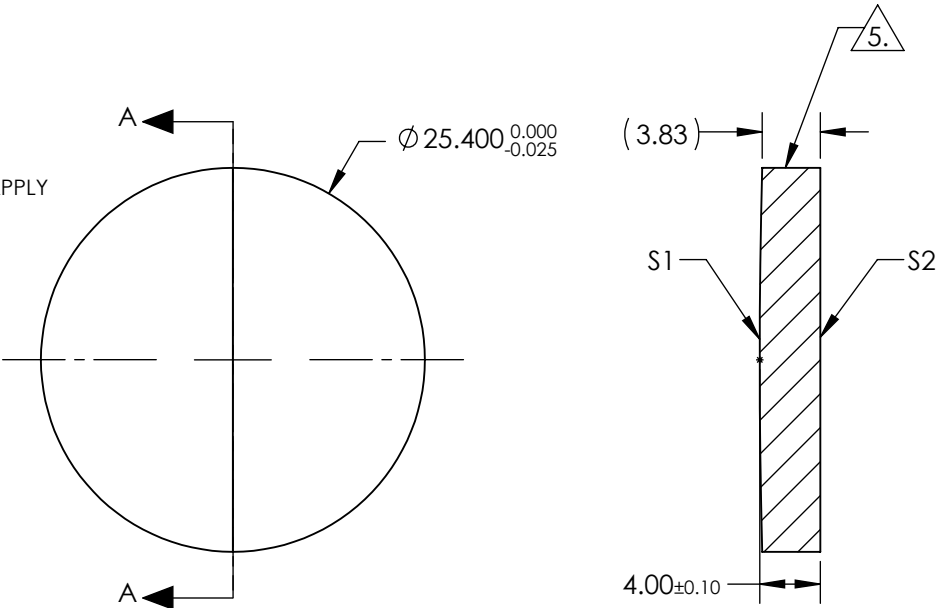
5. FINE GRIND SURFACE

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



**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**

SECTION A-A

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	23.80	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



ALL DIMS IN

mm



Edmund Optics®

TITLE

25.4mm Dia. x 1000mm FL, 261.4nm Coated,
Laser Grade PCX Lens

DWG NO

19742

SHEET
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