

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/cm<sup>2</sup> @ 20ns, 20Hz @ 266nm

5. FINE GRIND SURFACE

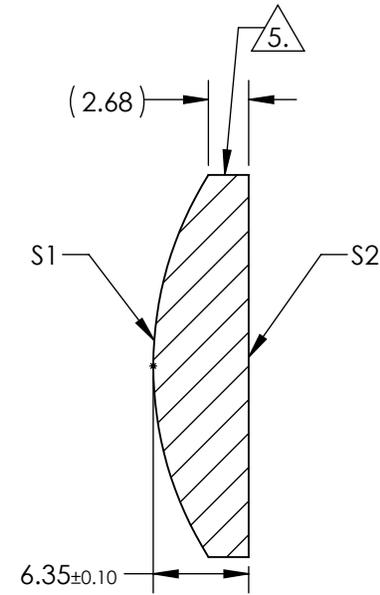
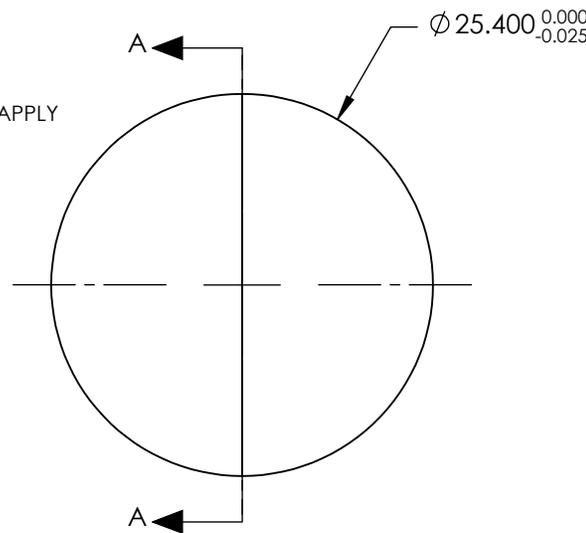
6. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE

7. FOCAL LENGTH (EFL): 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**

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	∅ 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

THIRD ANGLE PROJECTION

ALL DIMS IN

mm

**Edmund Optics®**

TITLE

25.4mm Dia. x 50mm FL, 261.4nm Coated,  
Laser Grade PCX Lens

DWG NO

19738

SHEET  
1 OF 1