

NOTES:

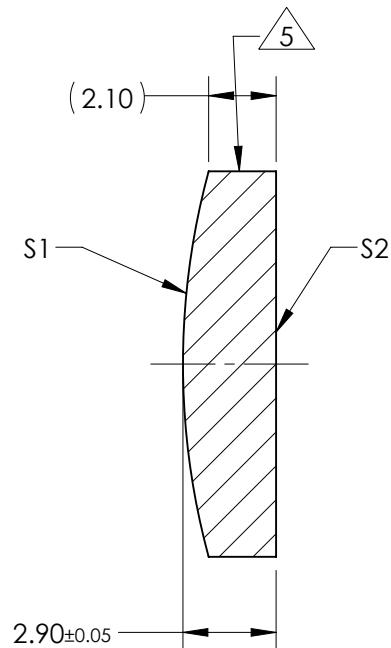
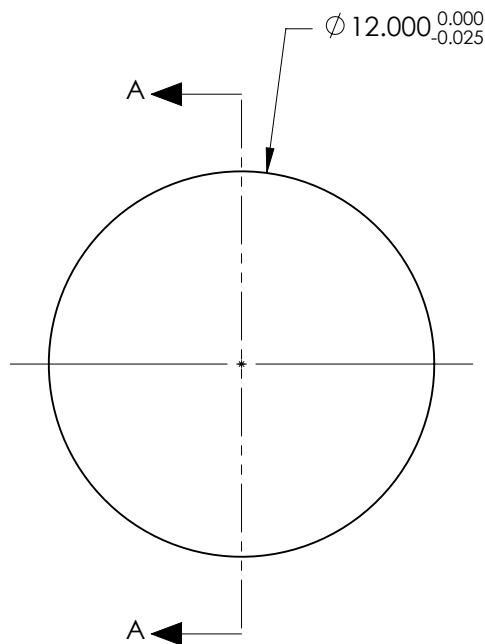
1. SUBSTRATE:
CORNING: FUSED SILICA 458/678
2. ROHS COMPLIANT
3. CENTERING TOLERANCE (AT 587.6nm):
BEAM DEVIATION (HALF ANGLE): <1 ARCMIN
4. COATING (APPLY ACROSS COATING APERTURE)

S1 & S2: 355nm High Power V-Coat
R(ABS) ≤ 0.25% @ 355nm @ 0° AOI

DAMAGE THRESHOLD
PULSED: 3J/cm² @ 20ns, 20Hz @ 355nm

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): 48.01mm
8. PROTECTIVE BEVEL AS NEEDED
9. DESIGN WAVELENGTH: 587.6nm



SECTION A-A

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	22.92	INFINITY
SURFACE QUALITY	20 - 10	20 - 10
MIN CLEAR APERTURE	Ø 11.00	Ø 11.00
MIN COATING APERTURE	Ø 11.00	Ø 11.00
POWER AT 632.8nm	2.00 RINGS	2.00 RINGS
IRREGULARITY AT 632.8nm	0.20 RINGS	0.20 RINGS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

EO® **Edmund Optics**®

THIRD ANGLE PROJECTION		TITLE	12mm Diameter x 50mm FL, 355nm Coated, Laser Grade PCX Lens	
		DWG NO	67952	SHEET 1 OF 1

ALL DIMS IN mm