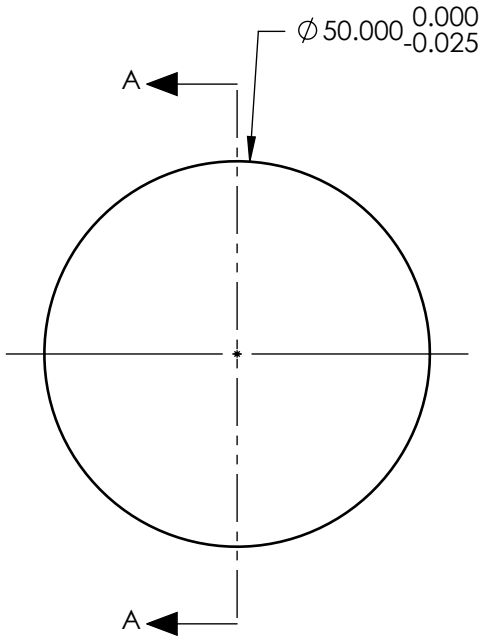
NOTES:

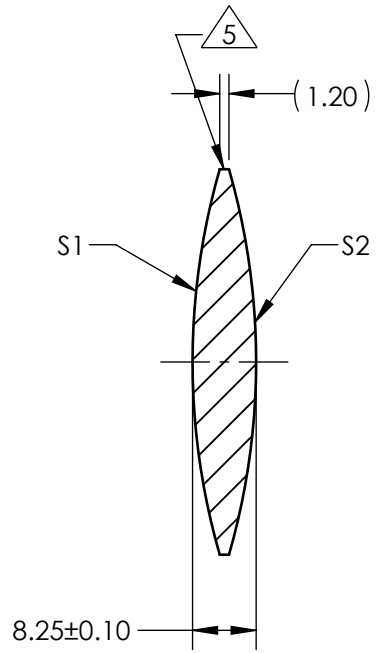
1. SUBSTRATE:
   Fused Silica 458/678
2. ROHS COMPLIANT
3. CENTERING TOLERANCE (AT 587.6nm):
   BEAM DEVIATION (HALF ANGLE): <1 ARCMIN
4. COATING (APPLY ACROSS COATING APERTURE)

   S1 & S2: VIS-NIR
   R(ABS) ≤ 0.25% @ 880nm @ 0° AOI
   R(AVG) ≤ 1.25% FROM 400 - 870nm @ 0° AOI
   R(AVG) ≤ 1.25% FROM 890 - 1000nm @ 0° AOI

△5 FINE GRIND SURFACE

6. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
7. FOCAL LENGTH (EFL): 100.00mm±1%
   BACK FOCAL LENGTH (BFL): 97.13mm
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	CONVEX
RADIUS	90.38	90.38
SURFACE QUALITY	40 - 20	40 - 20
MIN CLEAR APERTURE	∅49.00	∅49.00
MIN COATING APERTURE	∅49.00	∅49.00
POWER AT 632.8nm	3.00 RINGS	3.00 RINGS
IRREGULARITY AT 632.8nm	0.50 RINGS	0.50 RINGS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

Edmund Optics®

THIRD ANGLE PROJECTION		TITLE	50mm Dia x 100mm FL, VIS-NIR Coated, Double-Convex Lens
ALL DIMS IN	mm	DWG NO	26621
			SHEET 1 OF 1