NOTES:

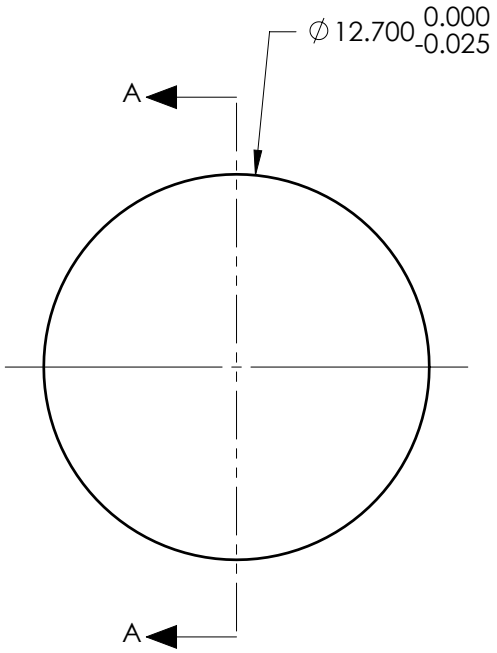
1. SUBSTRATE:
   Fused Silica 458/678
2. ROHS COMPLIANT
3. CENTERING TOLERANCE (AT 587.6nm):
   BEAM DEVIATION (HALF ANGLE): <1 ARCMIN
4. COATING (APPLY ACROSS COATING APERTURE)

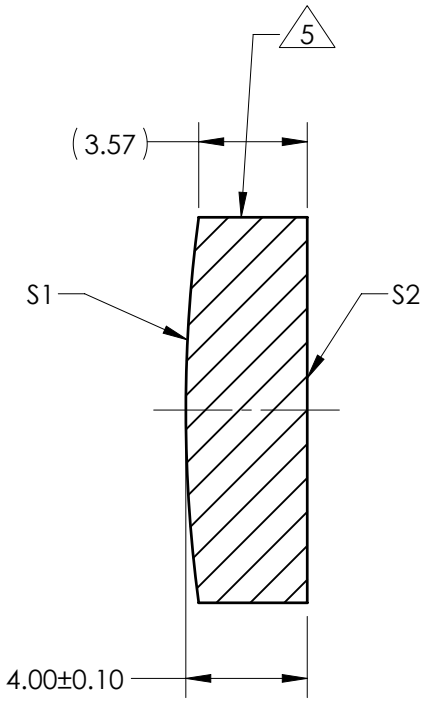
   S1 & S2: 355nm Laser AR Coating
   R(ABS) < 0.25% @ 355nm @ 0° AOI

   DAMAGE THRESHOLD
   PULSED: 7.5J/cm² @ 20ns, 20Hz @ 355nm

△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): 97.32mm
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	47.61	INFINITY
SURFACE QUALITY	10 - 5	10 - 5
MIN CLEAR APERTURE	∅11.70	∅11.70
MIN COATING APERTURE	∅11.70	∅11.70
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

Edmund Optics®

THIRD ANGLE PROJECTION

ALL DIMS IN mm

TITLE: 12.7mm Dia x 100mm FL, 355nm Laser AR Coating, 7.5J Coated, Plano-Convex Lens

DWG NO: 38687

SHEET 1 OF 1