

NOTES:

1. SUBSTRATE:
GRADE A FINE ANNEALED
SCHOTT: N-BK7 517/642
2. ROHS COMPLIANT
3. CENTERING TOLERANCE (AT 587.6nm):
BEAM DEVIATION (HALF ANGLE): <1 ARCMIN
4. COATING (APPLY ACROSS COATING APERTURE)
S1 & S2: YAG-BBAR
R(ABS) < 0.25% @ 532nm @ 0° AOI
R(ABS) < 0.25% @ 1064nm @ 0° AOI
R(AVG) < 1.0% FROM 500-1100nm @ 0° AOI

⑤ FINE GRIND SURFACE

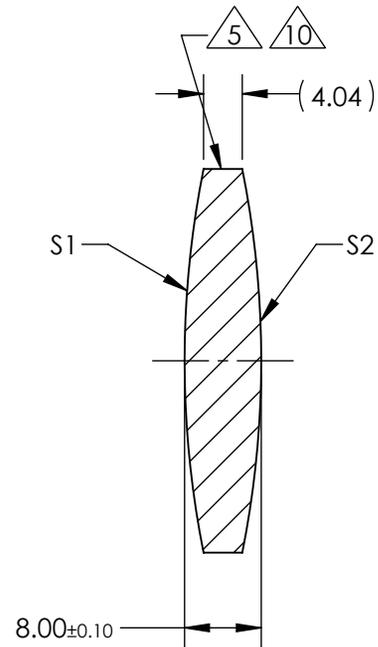
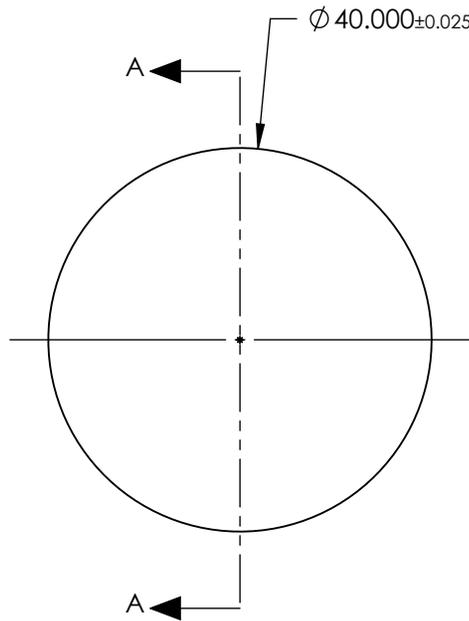
6. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE

7. FOCAL LENGTH (EFL): 100.00mm±1%
BACK FOCAL LENGTH (BFL): 97.33mm

8. PROTECTIVE BEVEL AS NEEDED

9. DESIGN WAVELENGTH: 587.6nm

⑩ BLACKENED SURFACE



SECTION A-A

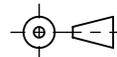
**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**

	S1	S2
SHAPE	CONVEX	CONVEX
RADIUS	101.98	101.98
SURFACE QUALITY	40 - 20	40 - 20
MIN CLEAR APERTURE	∅ 39.00	∅ 39.00
MIN COATING APERTURE	∅ 39.00	∅ 39.00
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

EO® Edmund Optics®

THIRD ANGLE
PROJECTION



TITLE

40mm Dia. x 100mm FL, YAG-BBAR
Coated, Inked, Double-Convex Lens

DWG NO

34197INK

SHEET
1 OF 1

ALL DIMS IN

mm