

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

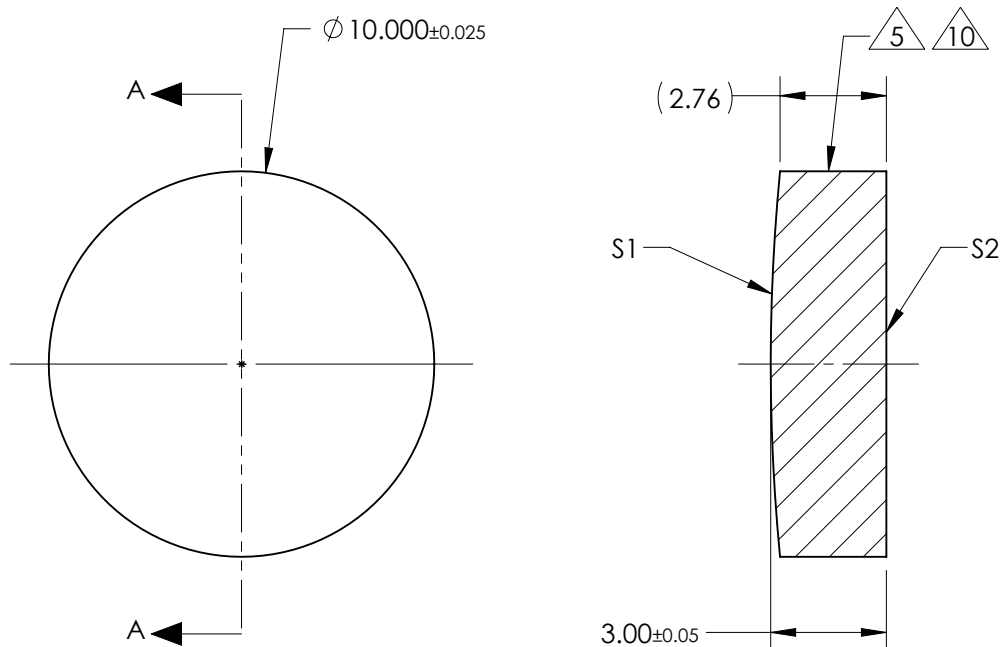
6. POWER, IRREGULARITY, AND SURFACE QUALITY
SPECIFICATIONS APPLY ACROSS CLEAR APERTURE

7. FOCAL LENGTH (EFL): 100.00mm±1%
BACK FOCAL LENGTH (BFL): 98.02mm

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	PLANO
RADIUS	51.68	INFINITY
SURFACE QUALITY	40 - 20	40 - 20
MIN CLEAR APERTURE	Ø 9.00	Ø 9.00
MIN COATING APERTURE	Ø 9.00	Ø 9.00
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

ALL DIMS IN

mm

TITLE

10.0mm Dia. x 100.0mm FL, YAG-BBAR,
Inked, Plano-Convex Lens

DWG NO

88829INK

SHEET
1 OF 1