

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

 FINE GRIND SURFACE

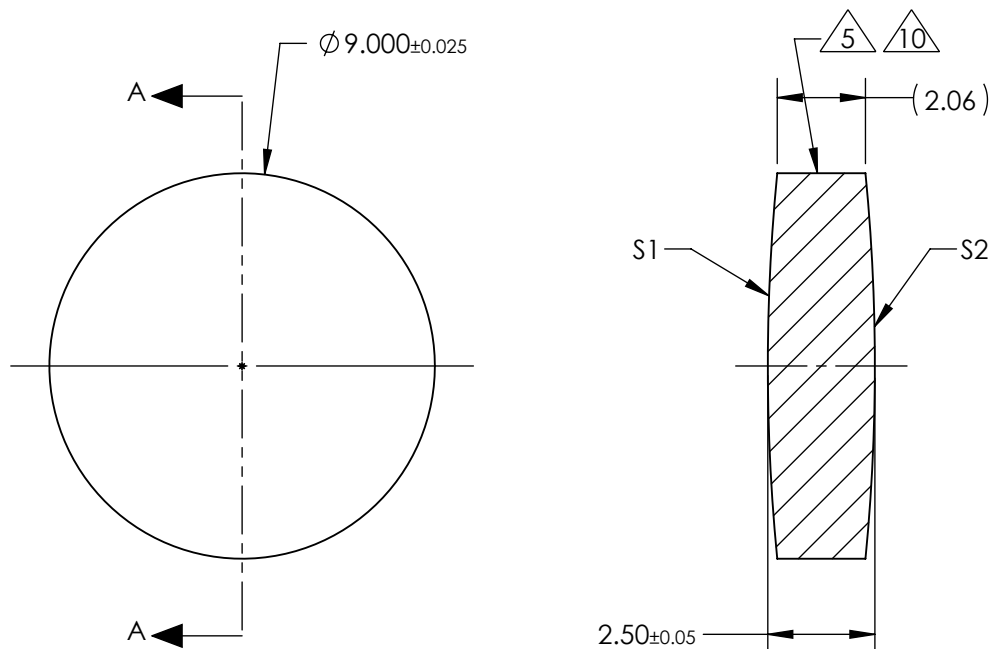
6. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE

7. FOCAL LENGTH (EFL): 45.00mm±1%
BACK FOCAL LENGTH (BFL): 44.17mm

8. PROTECTIVE BEVEL AS NEEDED

9. DESIGN WAVELENGTH: 587.6nm

 BLACKENED SURFACE



SECTION A-A

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING

	S1	S2
SHAPE	CONVEX	CONVEX
RADIUS	46.08	46.08
SURFACE QUALITY	40 - 20	40 - 20
MIN CLEAR APERTURE	Ø8.10	Ø8.10
MIN COATING APERTURE	Ø8.00	Ø8.00
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



ALL DIMS IN

mm

TITLE

9mm Dia. x 45mm FL, YAG-BBAR Coated,
Inked, Double-Convex Lens

DWG NO

89228INK

SHEET
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