

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

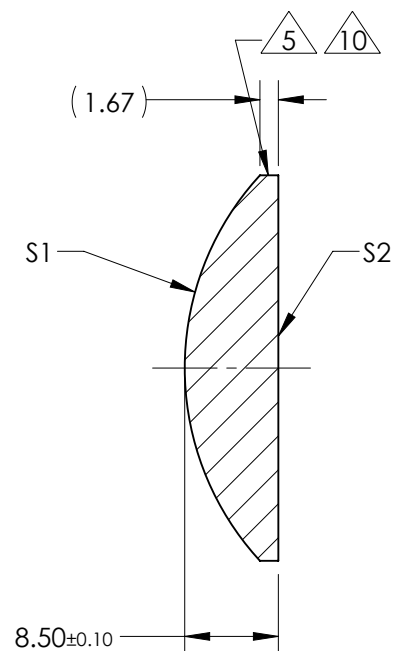
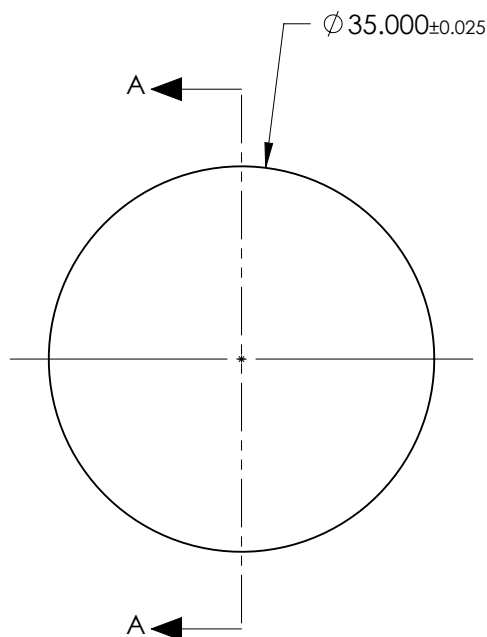
6. POWER, IRREGULARITY, AND SURFACE QUALITY  
SPECIFICATIONS APPLY ACROSS CLEAR APERTURE

7. FOCAL LENGTH (EFL): 50.00mm ±1%  
BACK FOCAL LENGTH (BFL): 44.40mm

8. PROTECTIVE BEVEL AS NEEDED

9. DESIGN WAVELENGTH: 587.6nm

10. BLACKENED SURFACE



SECTION A-A

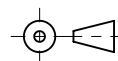
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	25.84	INFINITY
SURFACE QUALITY	40 - 20	40 - 20
MIN CLEAR APERTURE	Ø 34.00	Ø 34.00
MIN COATING APERTURE	Ø 34.00	Ø 34.00
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

35.0mm Dia. x 50.0mm FL, YAG-BBAR,  
Inked, Plano-Convex Lens

DWG NO

38612INK

SHEET  
1 OF 1