

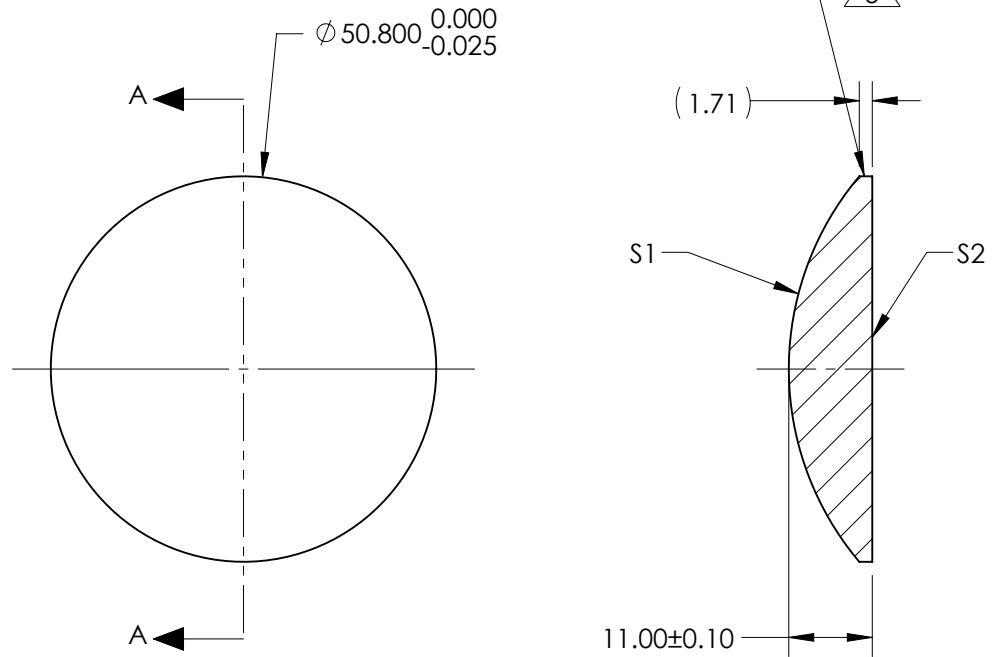
NOTES:

1. SUBSTRATE:  
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): 76.20mm±1%  
BACK FOCAL LENGTH (BFL): 68.95mm
8. PROTECTIVE BEVEL AS NEEDED
9. DESIGN WAVELENGTH: 587.6nm



SECTION A-A

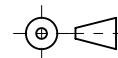
***FOR INFORMATION ONLY:***  
**DO NOT MANUFACTURE**  
**PARTS TO THIS DRAWING**

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	39.38	INFINITY
SURFACE QUALITY	40 - 20	40 - 20
MIN CLEAR APERTURE	Ø 49.30	Ø 49.30
MIN COATING APERTURE	Ø 49.80	Ø 49.80
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

50.8mm Dia x 76.1997mm FL, YAG-BBAR  
Coated, Plano-Convex Lens

DWG NO

71348

SHEET  
1 OF 1