

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: VIS-NIR
R(ABS) ≤ 0.25% AT 880nm @ 0° AOI
R(AVG) ≤ 1.25% FROM 400-870nm @ 0° AOI
R(AVG) ≤ 1.25% FROM 890-1000nm @ 0° AOI

△5. FINE GRIND SURFACE

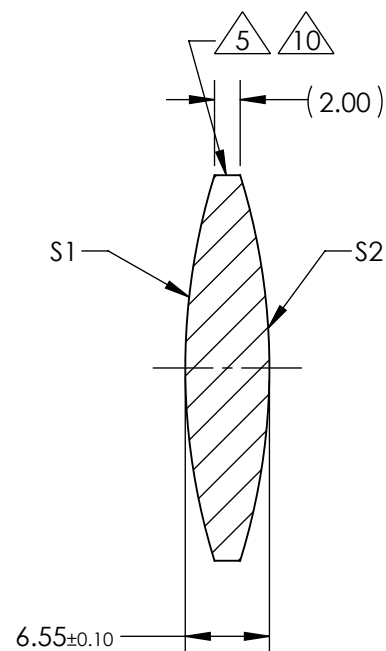
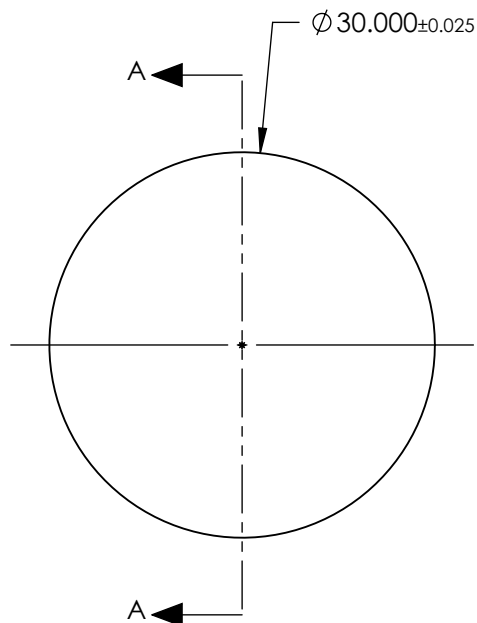
6. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE

7. FOCAL LENGTH (EFL): 50.00mm±1%
BACK FOCAL LENGTH (BFL): 47.82mm

8. PROTECTIVE BEVEL AS NEEDED

9. DESIGN WAVELENGTH: 587.6nm

△10. BLACKENED SURFACE



SECTION A-A

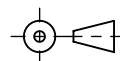
**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**

	S1	S2
SHAPE	CONVEX	CONVEX
RADIUS	50.56	50.56
SURFACE QUALITY	40 - 20	40 - 20
MIN CLEAR APERTURE	Ø 29.00	Ø 29.00
MIN COATING APERTURE	Ø 29.00	Ø 29.00
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

30mm Dia. x 50mm FL, VIS-NIR, Inked,
Double-Convex Lens

DWG NO

45898INK

SHEET
1 OF 1