

NOTES:

- SUBSTRATE:  
ELEMENT A: N-BK7 517/642  
ELEMENT B: N-SF5 673/322
- ROHS COMPLIANT
- CENTERING TOLERANCE (AT 587.6nm):  
BEAM DEVIATION (HALF ANGLE): <1 ARCMIN
- COATING (APPLY ACROSS COATING APERTURE)  
S1 & S4: VIS 0°  
R(AVG) ≤ 0.4% FROM 425 - 675nm @ 0° AOI  
S2 & S3: NONE

5 FINE GRIND SURFACE

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

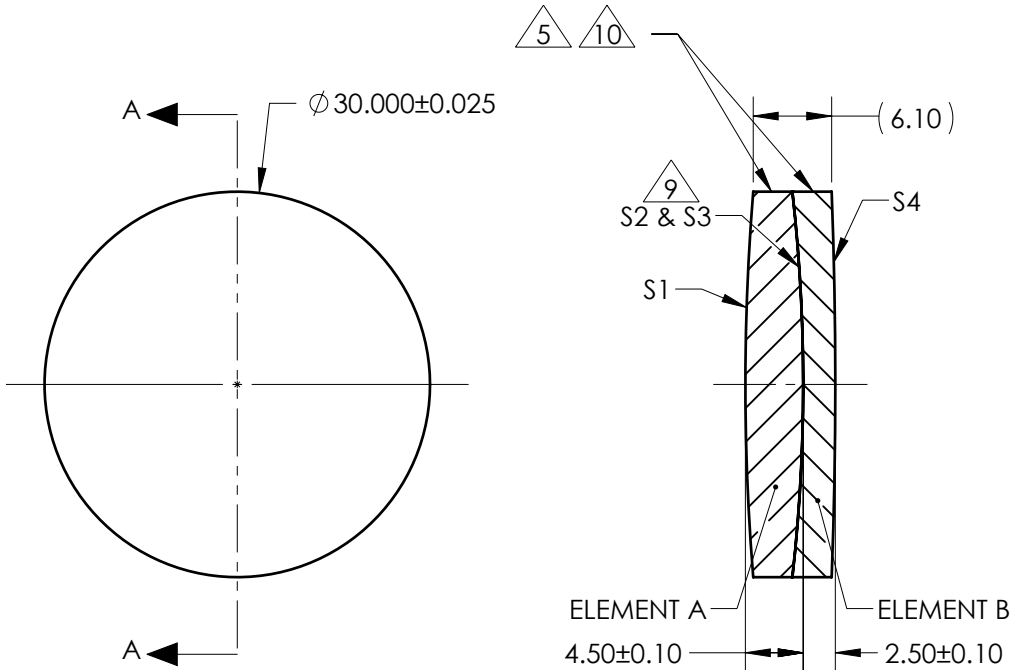
7. FOCAL LENGTH (EFL): 300.00mm±1%  
BACK FOCAL LENGTH (BFL): 296.85mm

8. PROTECTIVE BEVEL AS NEEDED

9. DESIGN WAVELENGTH: 587.6nm

9 ELEMENTS TO BE CEMENTED WITH NORLAND OPTICAL  
ADHESIVE NOA61

10 BLACKENED SURFACE



SECTION A-A

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

ELEMENT TITLE	SPECIFICATIONS AFTER CEMENTING			
	ELEMENT A		ELEMENT B	
SURFACE	S1	S2	S3	S4
SHAPE	CONVEX	CONVEX	CONCAVE	CONVEX
RADIUS	184.40	133.95	133.95	394.96
SURFACE QUALITY	40 - 20	40 - 20	40 - 20	40 - 20
MIN CLEAR APERTURE	Ø 29.00	Ø 29.00	Ø 29.00	Ø 29.00
MIN COATING APERTURE	Ø 29.00	N/A	N/A	Ø 29.00
POWER AT 632.8nm	3.00 RINGS	3.00 RINGS	3.00 RINGS	3.00 RINGS
IRREGULARITY AT 632.8nm	0.50 RINGS	0.50 RINGS	0.50 RINGS	0.50 RINGS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

**EO**® Edmund Optics®

THIRD ANGLE PROJECTION		TITLE	30mm Dia. x 300mm FL, VIS 0, Inked, Achromatic Lens	
		DWG NO	47720INK	SHEET 1 OF 1