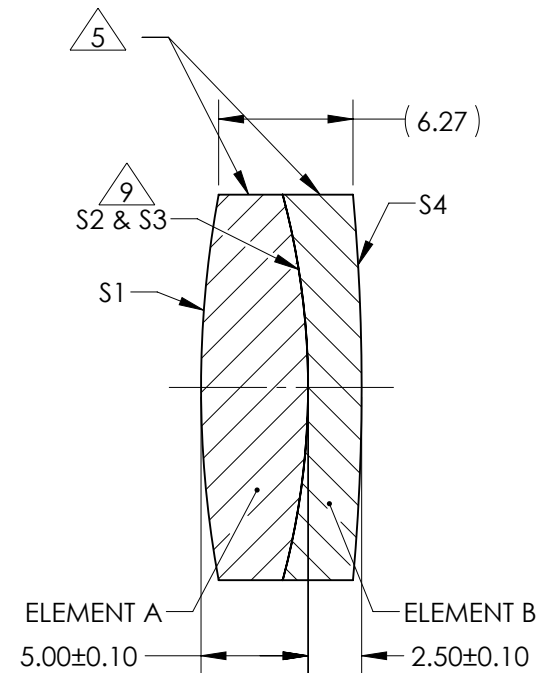
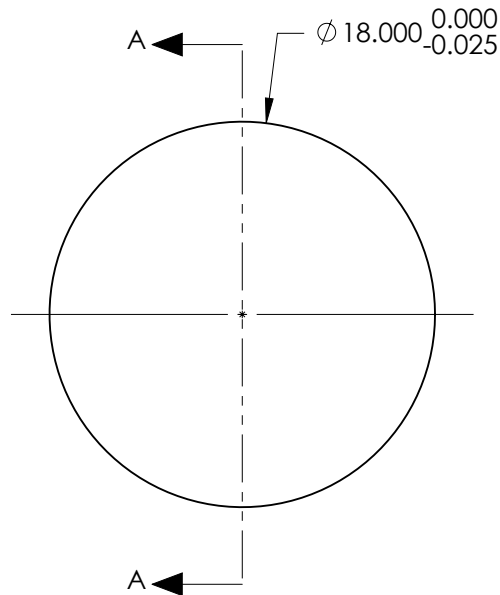


1. SUBSTRATE:
ELEMENT A: N-BK7 517/642
ELEMENT B: N-SF5 673/322
2. ROHS COMPLIANT
3. CENTERING TOLERANCE (AT 587.6nm):
BEAM DEVIATION (HALF ANGLE): <1 ARCMIN
4. COATING (APPLY ACROSS COATING APERTURE)

S1 & S4: VIS-NIR
 $R(\text{ABS}) \leq 0.25\% @ 880\text{nm} @ 0^\circ \text{AOI}$
 $R(\text{AVG}) \leq 1.25\% \text{ FROM } 400 - 870\text{nm} @ 0^\circ \text{AOI}$
 $R(\text{AVG}) \leq 1.25\% \text{ FROM } 890 - 1000\text{nm} @ 0^\circ \text{AOI}$

S2 & S3: NONE
5. FINE GRIND SURFACE
6. POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
7. FOCAL LENGTH (EFL): 80.00mm $\pm$ 1%
BACK FOCAL LENGTH (BFL): 76.52mm
8. PROTECTIVE BEVEL AS NEEDED
9. DESIGN WAVELENGTH: 587.6nm
9. ELEMENTS TO BE CEMENTED WITH NORLAND OPTICAL ADHESIVE NOA61



FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING

	SPECIFICATIONS AFTER CEMENTING			
ELEMENT TITLE	ELEMENT A		ELEMENT B	
SURFACE	S1	S2	S3	S4
SHAPE	CONVEX	CONVEX	CONCAVE	CONVEX
RADIUS	49.67	34.73	34.73	100.11
SURFACE QUALITY	40 - 20	40 - 20	40 - 20	40 - 20
MIN CLEAR APERTURE	Ø 17.00	Ø 17.00	Ø 17.00	Ø 17.00
MIN COATING APERTURE	Ø 17.00	N/A	N/A	Ø 17.00
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



TITLE	18mm x 80mm FL, VIS-NIR Coated, Achromatic Lens	
DWG NO	49346	SHEET 1 OF 1