

NOTES:

- SUBSTRATE:
ELEMENT A: N-BAF10 670/472
ELEMENT B: N-SF10 728/284
- ROHS COMPLIANT
- CENTERING TOLERANCE (AT 587.6nm):
BEAM DEVIATION (HALF ANGLE): <1 ARCMIN
- COATING (APPLY ACROSS COATING APERTURE)

S1 & S4:
1/4 WAVE MgF2 @ 550nm
R(AVG) < 1.75% FROM 400 - 700nm (N - BK7)

S2 & S3: NONE

5 FINE GRIND SURFACE

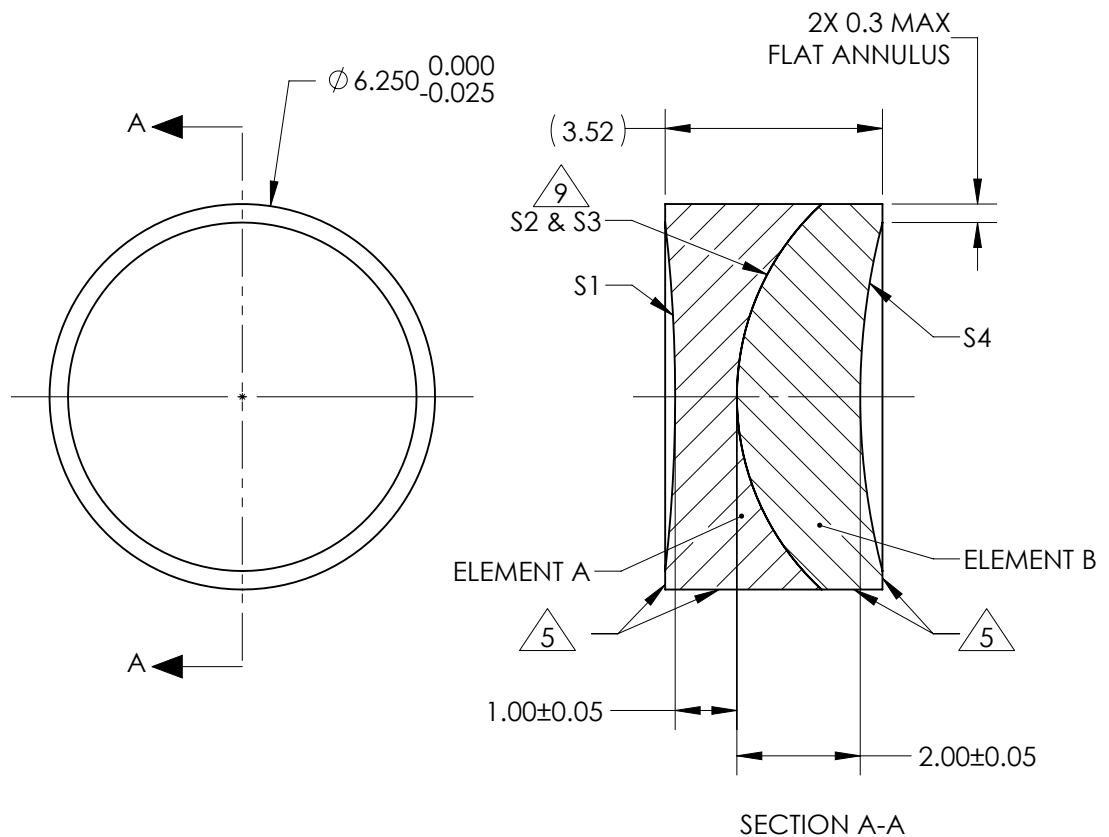
- POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE

- FOCAL LENGTH (EFL): -12.50mm±1%
BACK FOCAL LENGTH (BFL): -12.89mm

- PROTECTIVE BEVEL AS NEEDED

- DESIGN WAVELENGTH: 587.6nm

9 ELEMENTS TO BE CEMENTED WITH NORLAND OPTICAL ADHESIVE NOA61



**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	CONCAVE	CONCAVE	CONVEX	CONCAVE
RADIUS	24.66	4.24	4.24	11.25
SURFACE QUALITY	40 - 20	40 - 20	40 - 20	40 - 20
MIN CLEAR APERTURE	$\phi 5.63$	$\phi 5.63$	$\phi 5.63$	$\phi 5.63$
MIN COATING APERTURE	$\phi 5.25$	N/A	N/A	$\phi 5.25$
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

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ALL DIMS IN mm

TITLE 6.25mm Dia x -12.5mm Negative Doublet Lens FL MgF2 Coated

DWG NO 45420

SHEET 1 OF 1