

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)

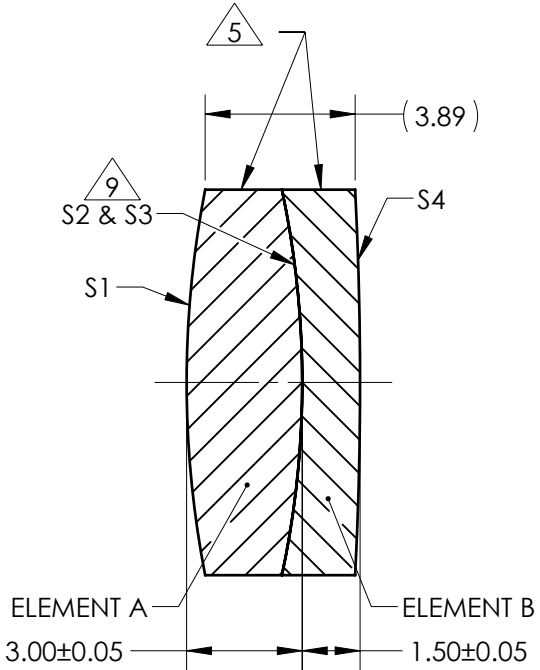
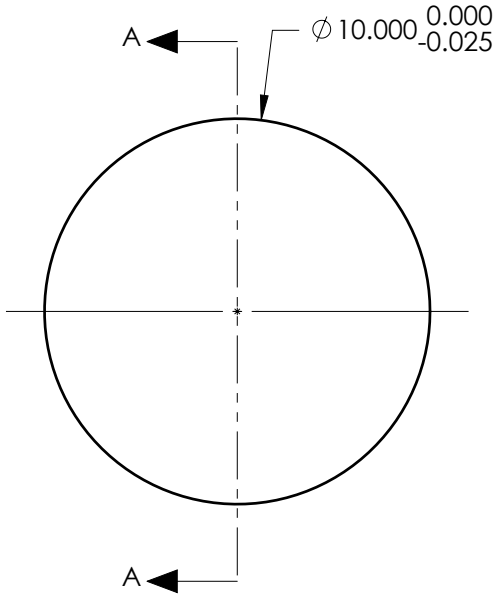
S1 & S4: VIS-NIR
 $R(ABS) \leq 0.25\% @ 880nm @ 0^\circ AOI$
 $R(AVG) \leq 1.25\% FROM 400 - 870nm @ 0^\circ AOI$
 $R(AVG) \leq 1.25\% FROM 890 - 1000nm @ 0^\circ AOI$

S2 & S3: NONE

5 FINE GRIND SURFACE

- POWER, IRREGULARITY, AND SURFACE QUALITY SPECIFICATIONS APPLY ACROSS CLEAR APERTURE
- FOCAL LENGTH (EFL): 50.00mm $\pm$ 1%
BACK FOCAL LENGTH (BFL): 47.45mm
- PROTECTIVE BEVEL AS NEEDED
- DESIGN WAVELENGTH: 587.6nm

9 ELEMENTS TO BE CEMENTED WITH NORLAND OPTICAL ADHESIVE NOA61



SECTION A-A

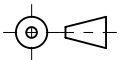
**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**

ELEMENT TITLE	SPECIFICATIONS AFTER CEMENTING			
	ELEMENT A		ELEMENT B	
SURFACE	S1	S2	S3	S4
SHAPE	CONVEX	CONVEX	CONCAVE	CONVEX
RADIUS	26.22	23.95	23.95	97.55
SURFACE QUALITY	40 - 20	40 - 20	40 - 20	40 - 20
MIN CLEAR APERTURE	Ø 9.00	Ø 9.00	Ø 9.00	Ø 9.00
MIN COATING APERTURE	Ø 9.00	N/A	N/A	Ø 9.00
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



ALL DIMS IN

mm

TITLE	10mm Dia. x 50mm FL, VIS-NIR Coated, Achromatic Lens		
DWG NO	63722		SHEET 1 OF 1