NOTES:

1. SUBSTRATE:
   ELEMENT A: N-SK14
   ELEMENT B: N-SF57
2. CENTERING: 3-5 ARCMIN
3. COATING:

   S1: R(AVG) ≤ 0.4% FROM 425-675nm @ 0° AOI

   S2, S3, & S4: NONE

4. FINE GRIND SURFACE

5. ELEMENTS TO BE CEMENTED WITH NORLAND OPTICAL ADHESIVE NOA 61

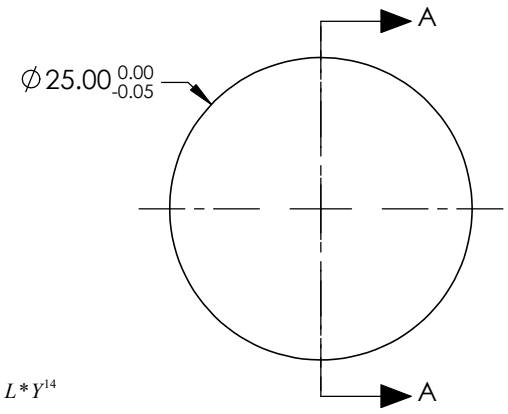
6. POLYMER ASPHERE APPLIED TO S4 OF ACHROMAT:

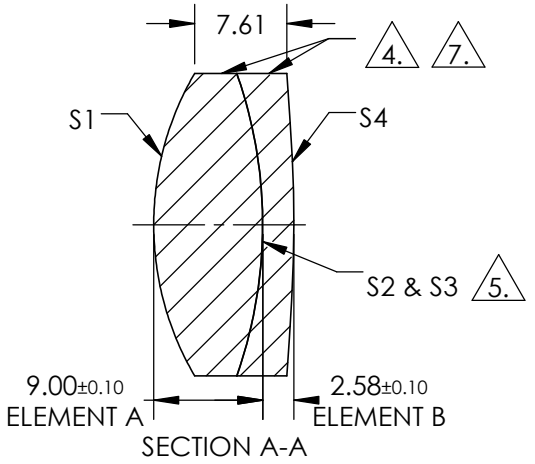
   MATERIAL: n_d=1.517, V_d=52.0
   CENTER THICKNESS: 0.060mm ADDED TO S4
   CLEAR APERTURE(CENTERED ON S4 WITH NO MACRO DEFECTS)

$$Z_{ASPH}(Y) = \frac{(1/RADIUS)*Y^2}{1+\sqrt{1-(1+k)*(1/RADIUS)^2*Y^2}} + D*Y^2 + E*Y^4 + F*Y^6 + G*Y^8 + H*Y^{10} + J*Y^{12} + L*Y^{14}$$

7. BLACKENED SURFACE

:





COEFFICIENT TABLE 6.	
COEFFIECIENT	S1
SEMI-DIAMETER	1.175000E+01
(1/RADIUS)	-0.977163E-02
k	0.000000E+00
D	0.000000E+00
E	9.577981E-06
F	-1.436447E-08
G	0.000000E+00
H	0.000000E+00
J	0.000000E+00
L	0.000000E+00

FOR INFORMATION ONLY:
DO NOT MANUFACTURE PARTS TO THIS DRAWING

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2	S3	S4
SHAPE	CONVEX	CONVEX	CONCAVE	CONVEX
RADIUS	24.80	37.60	37.60	102.34 6.
SURFACE QUALITY	60-40	60-40	60-40	60-40
MIN CLEAR APERTURE	Ø22.25	Ø22.25	Ø22.25	Ø23.00
BEVEL MAX FACE	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL: 40.00mm
BFL: 33.48mm
THIRD ANGLE PROJECTION
ALL DIMS IN mm

Edmund Optics®

TITLE: 25mm DIAMETER x 40mm EFL ASPHERIZED ACHROMATIC LENS INKED

DWG NO: 49664INK

SHEET 1 OF 1