NOTES:

1. SUBSTRATE:
   N-BK7

2. CENTERING TOLERANCE (AT 587.6nm):
   BEAM DEVIATION (HALF ANGLE): <3 arcmin

3. COATING (APPLY ACROSS COATING APERTURE)
   S1: NONE
   S2: NONE

4. EDGES: FINE GROUND

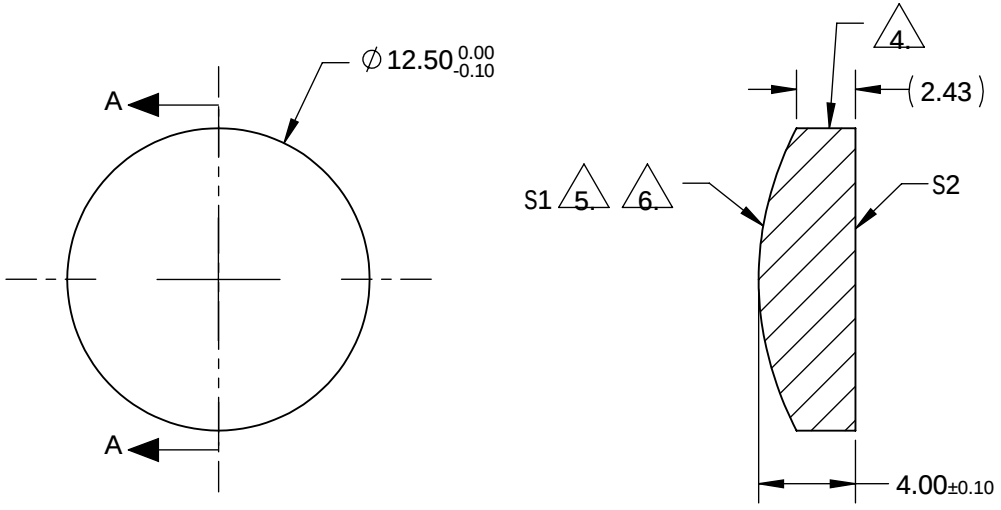
5. ASPHERIC FIGURE ERROR: 0.75 µm RMS

6. ASPHERIC SURFACE DESCRIBED BY (REF. COEFFICIENT TABLE):

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

FOR INFORMATION ONLY:
DO NOT MANUFACTURE PARTS TO THIS DRAWING

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY



SECTION A-A

COEFFIECIENT TABLE 6.	
COEFFIECIENT	**S1**
SEMI-DIAMETER	6.250000E+00
(1/RADIUS)	7.82472613E-02
k	-6.920000E-01
D	0.000000E+00
E	7.352300E-06
F	8.146400E-09
G	0.000000E+00
H	0.000000E+00
J	0.000000E+00
L	0.000000E+00

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	12.780	INFINITY
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	90 %	90 %
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

BFL @ 780nm: 22.35

THIRD ANGLE PROJECTION

ALL DIMS IN mm

Edmund Optics®

TITLE: 12.5mm Dia., 0.25 Numerical Aperture Uncoated, NIR Aspheric Lens

DWG NO: 13498

SHEET 1 OF 1