

NOTES:
1. SUBSTRATE: N-BK7

0. COATING (APPLY ACROSS CLEAR APERTURE)

S1: NONE
S2: NONE

3.FINE GRIND SURFACE

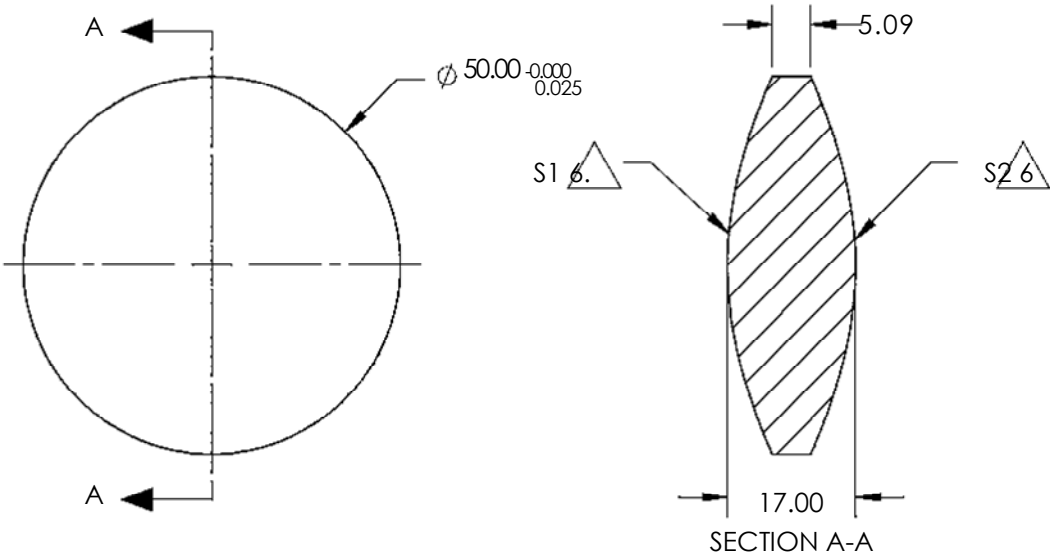
4.CENTERING: 3 ARCMIN

5.ASPHERE FIGURE ERROR, @632.8nm: 0.4λ RMS and 2λ PV

2. ASPHERIC SURFACE DESCRIBED BY (REF. COEFFICIENT TABLE)

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

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING



COEFFICIENT TABLE 6.		
COEFFICIENT	S1	S2
(1/RADIUS)	2.057613E-02	2.057613E-02
k	-2.300000E+00	-2.300000E+00
D	0.000000E+00	0.000000E+00
E	0.000000E+00	0.000000E+00
F	0.000000E+00	0.000000E+00
G	0.000000E+00	0.000000E+00
H	0.000000E+00	0.000000E+00
J	0.000000E+00	0.000000E+00
L	0.000000E+00	0.000000E+00

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT
NOTICEDIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	CONVEX	CONVEX
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	50.00	50.00
LEVEL	PROTECTED AS NEEDED	PROTECTED AS NEEDED

EFL @ 587.6nm	50.00
BFL @ 587.6nm	44.04
THIRD ANGLE PROJECTION	
ALL DIMS IN	mm

Edmund Optics®

TITLE	50mm Dia. X 50mm FL Uncoated, Double Sided Aspheric Lens		
DWG NO	18423	SHEET	1 OF 1