NOTES:

1. SUBSTRATE:
   N-FK58

2. CENTERING TOLERANCE (AT 587.6nm):
   BEAM DEVIATION (HALF ANGLE): <5 ARCMIN

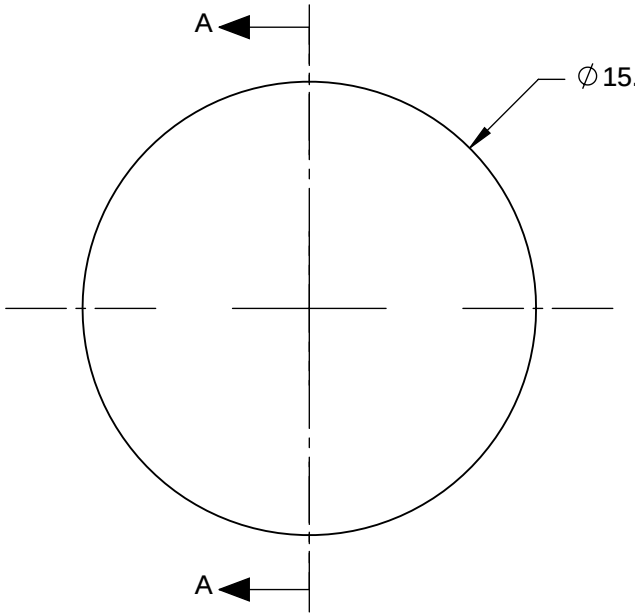
3. COATING (APPLY ACROSS COATING APERTURE)
   S1: NONE
   S2: NONE

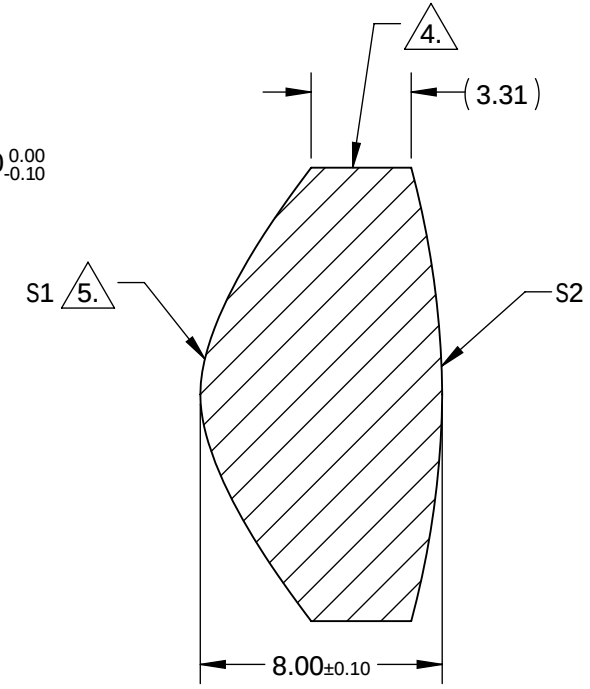
4. EDGES: FINE GROUND

5. 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





SECTION A-A

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

COEFFIECIENT TABLE 5.	
COEFFIECIENT	**S1**
SEMI-DIAMETER	7.500000E+00
(1/RADIUS)	7.851
k	-1.021000E+00
D	0.000000E+00
E	7.734000E-05
F	-8.653000E-08
G	-5.729000E-09
H	0.000000E+00
J	0.000000E+00
L	0.000000E+00

	S1	S2
SHAPE	CONVEX	CONVEX
RADIUS	7.851 5.	30.00
SURFACE QUALITY	60-40	60-40
CLEAR APERTURE (mm)	13.5	13.5
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 2000nm: 15.00
BFL @ 2000nm: 10.303
THIRD ANGLE PROJECTION
ALL DIMS IN mm

Edmund Optics®

TITLE: 15mm Dia., 0.50 NA, Uncoated, NIR Aspheric Lens
DWG NO: 18749
SHEET 1 OF 1