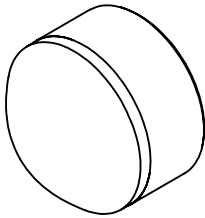


NOTES:

1. SUBSTRATE: N-PK51 / S-NPH2
2. COATING (APPLY ACROSS CLEAR APERTURE)

S1: MgF2: R(avg) ≤1.75% @ 400 - 700nm
S2: NONE
S3: MgF2: R(avg) ≤1.75% @ 400 - 700nm

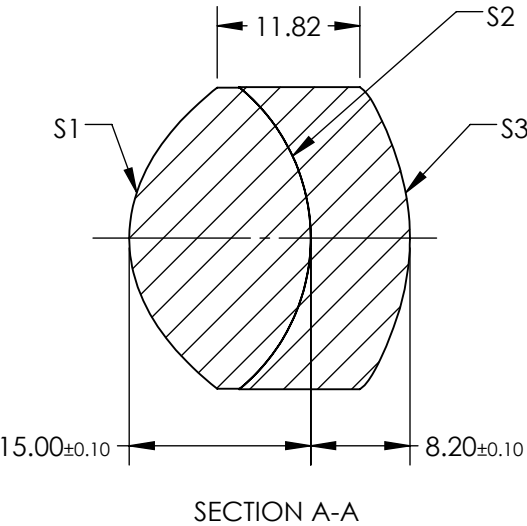
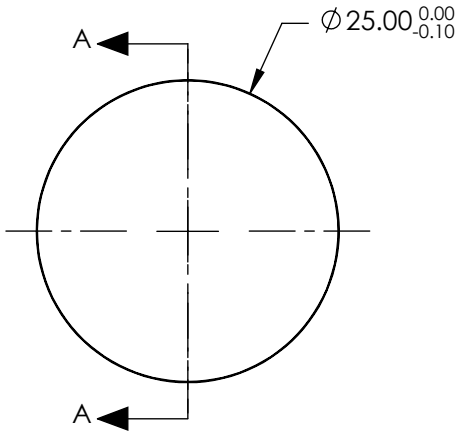
**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**



3. FINE GROUND SURFACE

4. CENTERING: <3.0 arcmin
5. RoHS: COMPLIANT
6. ASPHERIC SURFACES DESCRIBED BY THE FOLLOWING EQUATION AND COEFFICIENTS SHOWN IN TABLE BELOW

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



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

COEFFICIENT TABLE		
COEFFICIENT	S1	S3
SEMI-DIAMETER	1.250000E+01	1.250000E+01
(1/RADIUS)	0.084724E+00	4.786521E-02
k	-0.779509E+00	1.166252E-02
D	0.0000000E+00	0.0000000E+00
E	1.350574E-05	-5.567493E-05
F	8.673593E-08	3.590521E-06
G	-2.403414E-09	-7.621199E-08
H	2.947423E-11	1.023864E-09
J	-1.811364E-13	-8.388534E-12
L	3.919327E-16	3.858497E-14

REV. A	S1	S2	S3	EFL @ 587.6nm: 20.0		 Edmund Optics®			
SHAPE	CONVEX	CONVEX/CONCAVE	CONVEX	BFL @ 587.6nm: 8.560					
RADIUS	11.803	16.151	20.892			TITLE	25mm DIA. X 20mm EFL PRECISION ASPHERIZED ACHROMATIC LENS		
SURFACE QUALITY	20-10	20-10	20-10						
CLEAR APERTURE	Ø22.50	Ø22.50	Ø22.50	ALL DIMS IN		mm	DWG NO	85301	SHEET 1 OF 1
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED						