NOTES:

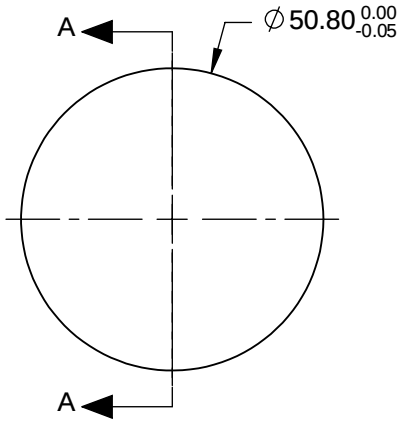
1. SUBSTRATE: FUSED SILICA
2. COATING:

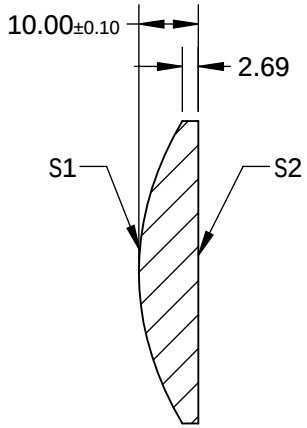
   S1 & LASER V-COAT (1064nm)
   R(ABS) <0.25% @ 1064nm

   DAMAGE THRESHOLD, PULSED:
   15 J/cm2 @ 1064nm, 20ns, 20Hz
3. CENTERING: <1 ARCMIN
4. RoHS: COMPLIANT
5. ASPHERIC SURFACE DESCRIBED BY THE FOLLOWING EQUATION AND COEFFICIENTS SHOWN IN TABLE BELOW

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

FOR INFORMATION ONLY:
DO NOT MANUFACTURE PARTS TO THIS DRAWING





SECTION A-A

COEFFICIENT TABLE	
COEFFIECIENT	S1
SEMI-DIAMETER	2.540000E+01
(1/RADIUS)	2.188998E-02
k	-6.515630E-01
D	0.000000E+00
E	1.008271E-07
F	8.995875E-12
G	0.000000E+00
H	0.000000E+00
J	0.000000E+00
L	0.000000E+00

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	CONVEX	PLANO
SURFACE QUALITY	10-5	10-5
CLEAR APERTURE	Ø46.80	Ø46.80
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL: 101.60mm
BFL: 94.70mm
THIRD ANGLE PROJECTION
ALL DIMS IN mm

Edmund Optics®

TITLE: 50.8mm Dia x 101.6mm FL, 1064nm V-Coat, High Precision Laser Grade Aspheric Lens

DWG NO: 39567

SHEET 1 OF 1