

NOTES:

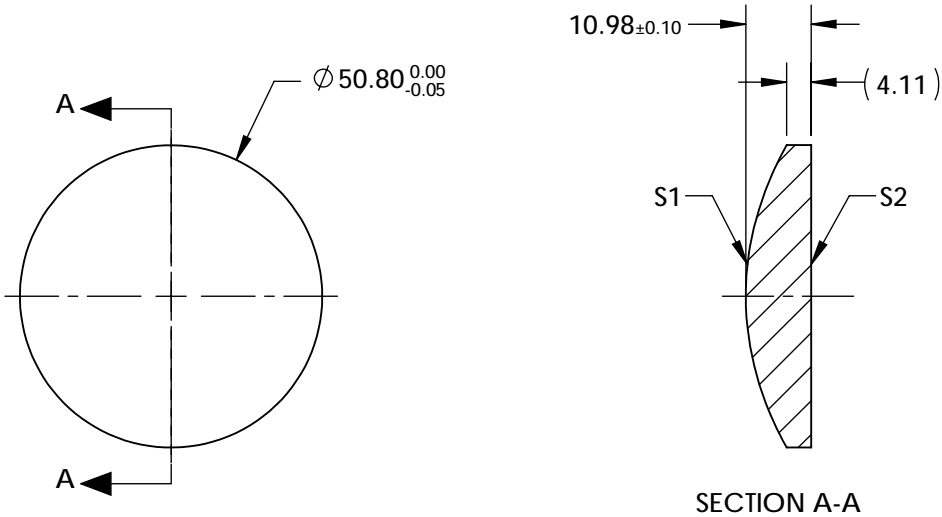
**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**

- 1. SUBSTRATE: FUSED SILICA
- 2. COATING:

S1 & S2: R(ABS) <0.25% @ 355nm

DAMAGE THRESHOLD, PULSED:
7.5 J/cm2 @ 355nm, 20ns, 20Hz
- 3. CENTERING: < 1 ARCMIN
- 4. RoHS: COMPLIANT
- 5. ASPHERIC SURFACE DESCRIBED BY THE FOLLOWING
EQUATION AND COEFFICIENTS SHOWN IN TABLE
BELOW


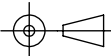
$$Z_{ASPH}(Y) = \frac{(\frac{1}{RADIUS}) * Y^2}{1 + \sqrt{1 - (1 + k) * (\frac{1}{RADIUS})^2 * Y^2}} + D * Y^2 + E * Y^4 + F * Y^6 + G * Y^8 + H * Y^{10} + J * Y^{12} + L * Y^{14}$$



COEFFICIENT TABLE	
COEFFICIENT	S1
SEMI-DIAMETER	2.540000E+01
(1/RADIUS)	2.067354E-02
k	-8.420243E-01
D	0.000000E+00
E	2.975503E-07
F	2.829840E-11
G	2.373342E-15
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		<div> Edmund Optics®</div>		
BFL: 97.96mm				
<div>THIRD ANGLE PROJECTION</div> 		TITLE	50.8mm Dia x 101.6mm FL, 355nm V-Coat, High Precision Laser Grade Aspheric Lens	
ALL DIMS IN	mm	DWG NO	39563	
			SHEET 1 OF 1	