

NOTES:

1. SUBSTRATE:  
S-LAH64
2. CENTERING TOLERANCE (AT 587.6nm):  
BEAM DEVIATION (HALF ANGLE): <3 ARCMIN
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: VIS (350-700nm)  
Ravg < 0.5% @ 350 - 700nm @ ±30° AOI  
Rabs < 1.5% @ 350 - 700nm @ ±30° AOI  
S2: VIS (350-700nm)  
Ravg < 0.5% @ 350 - 700nm @ ±30° AOI  
Rabs < 1.5% @ 350 - 700nm @ ±30° AOI

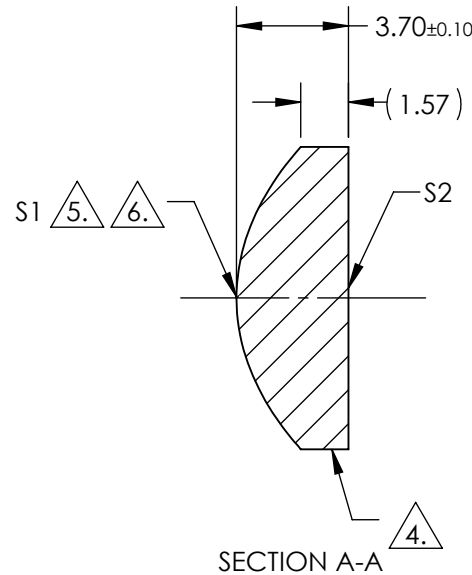
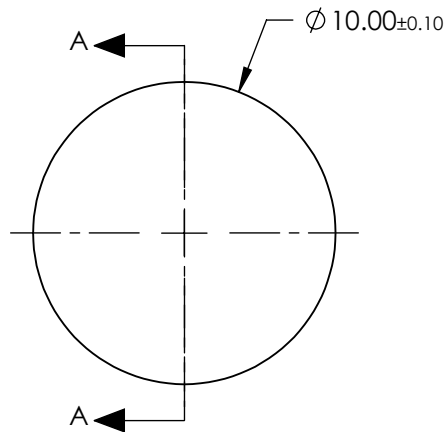
FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING

4. EDGES: FINE GROUND

5. ASPHERIC FIGURE ERROR: 0.75 μm RMS

6. ASPHERIC SURFACE DESCRIBED BY (REF. COEFFICIENT TABLE):

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



COEFFICIENT TABLE 5.	
COEFFICIENT	S1
SEMI-DIAMETER	5.000000E+00
(1/RADIUS)	1.609011E-01
k	-9.930000E-01
D	0.000000E+00
E	1.932900E-04
F	-1.552500E-07
G	-1.140000E-08
H	-1.022900E-10
J	1.394500E-12
L	0.000000E+00

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2	EFL @ 780nm: 8	<b>Edmund Optics®</b>		
SHAPE	CONVEX	PLANO	BFL @ 780nm:			
RADIUS	6.215	INFINITY	THIRD ANGLE PROJECTION	DWG NO	16266	SHEET 1 OF 1
SURFACE QUALITY	40-20	40-20	ALL DIMS IN mm			
CLEAR APERTURE	9 mm	9 mm				
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED				