

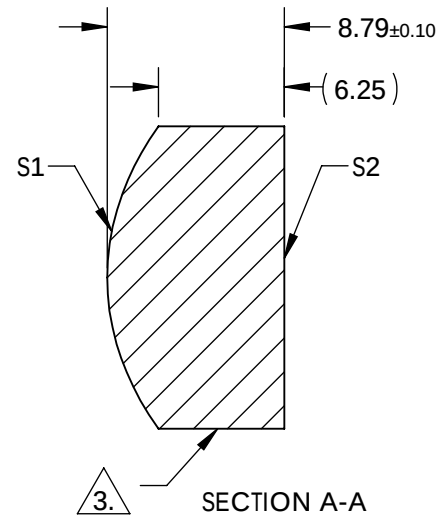
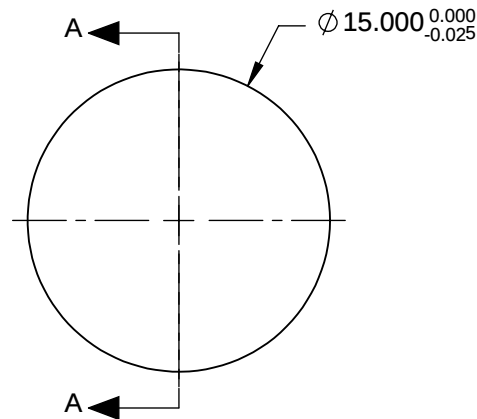
NOTES:

1. SUBSTRATE: N-BK7
2. COATING
S1 & S2: SWIR+
Ravg <0.5% @ 900 - 1700nm @ ±30° AOI
Rabs <1.5% @ 900 - 1700nm @ ±30° AOI
3. EDGES: FINE GRIND SURFACE
4. CENTERING: < 3 ARCMIN
5. ASPHERIC FIGURE ERROR: 0.016 μm RMS

6. ASPHERIC SURFACE DESCRIBED BY THE FOLLOWING EQUATION AND COEFFICIENTS SHOWN IN TABLE BELOW

$$Z(Y) = \frac{\left(\frac{1}{\text{RADIUS}}\right) * Y^2}{1 + \sqrt{1 - (1+k) * \left(\frac{1}{\text{RADIUS}}\right)^2 * Y^2}} + D * Y^2 + E * Y^4 + F * Y^6 + G * Y^8 + H * Y^{10} + J * Y^{12} + L * Y^{14} + M * Y^{16}$$

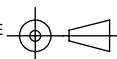
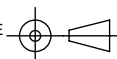
7. ROHS: COMPLIANT



COEFFICIENT TABLE 6.

	S1
SEMI-DIAMETER	7.500000E+00
COEFFICIENT	
(1/RADIUS)	8.598452E-02
k	-9.011640E-01
D	0.000000E+00
E	2.773168E-05
F	5.678751E-08
G	-3.671194E-11
H	0.000000E+00
J	0.000000E+00
L	0.000000E+00
M	0.000000E+00

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2	EFL: 22.50mm		 Edmund Optics®		
SHAPE	CONVEX	PLANO	BFL: 16.71mm				
RADIUS	12.078	INFINITY			TITLE	15mm Dia x 22.5mm FL, SWIR+, High Precision Aspheric Lens	
SURFACE QUALITY	40 - 20	40 - 20					
CLEAR APERTURE	Ø13.50	Ø13.50			TITLE	15mm Dia x 22.5mm FL, SWIR+, High Precision Aspheric Lens	
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					
			ALL DIMS IN	mm	DWG NO	22898	SHEET 1 OF 1

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