

NOTES:

1. SUBSTRATE: N-SF5
2. COATING
S1 & S2: SWIR+
Ravg <0.5% @ 900 - 1700nm @ ±30° AOI
Rabs <1.5% @ 900 - 1700nm @ ±30° AOI

△ 3. EDGES: FINE GRIND SURFACE

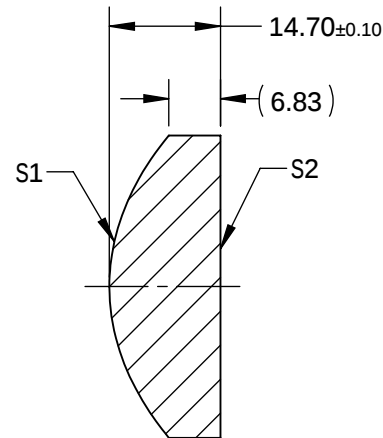
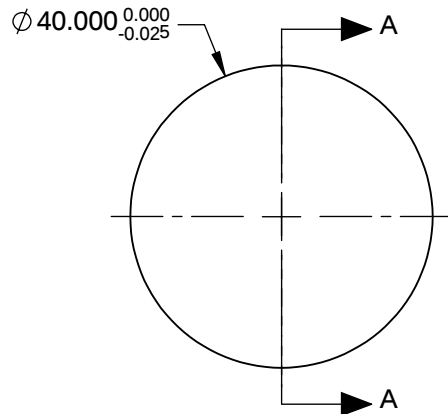
4. CENTERING: < 3 ARCMIN

5. ASPHERIC FIGURE ERROR: 0.016 μm RMS

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

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

7. ROHS: COMPLIANT

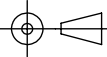


SECTION A-A

COEFFICIENT TABLE △ 6.

	S1
SEMI-DIAMETER	2.000000E+01
COEFFICIENT	
(1/RADIUS)	3.716091E-02
k	-7.633170E-01
D	0.000000E+00
E	1.130400E-06
F	2.028051E-10
G	-9.363066E-13
H	1.944793E-15
J	-3.345788E-18
L	2.852466E-21
M	-9.954218E-25

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2	EFL: 40.00mm	 Edmund Optics ®		
SHAPE	CONVEX	PLANO	BFL: 31.21mm			
RADIUS	26.91	INFINITY	THIRD ANGLE PROJECTION 	TITLE	40mm Dia x 40mm FL, SWIR+, High Precision Aspheric Lens	
SURFACE QUALITY	40 - 20	40 - 20				
CLEAR APERTURE	Ø36.00	Ø36.00				
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN mm	DWG NO	22901	SHEET 1 OF 1

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