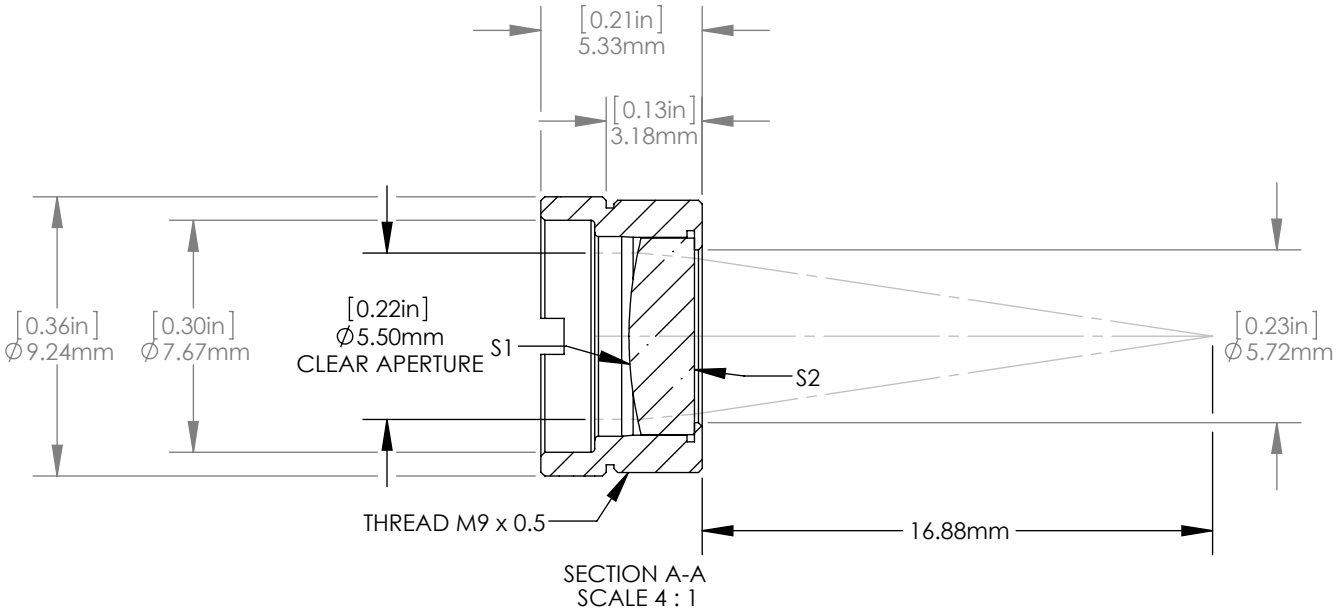
ASPHERIC COEFFICIENTS

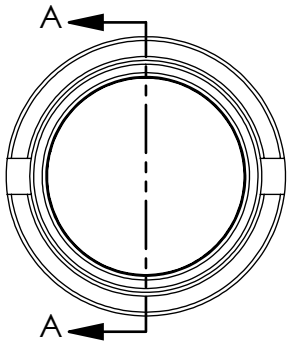
	R	k	A_2	A_4	A_6	A_8	A_{10}
S1	13.2245	-0.1550451	-	0.0001178858	-4.6027852E-05	6.3269738E-06	3.1567019E-07
S2	PLANO	-	-	-	-	-	-

$$z = \frac{Y^2}{R(1+\sqrt{1-(1+k)Y^2/R^2})} + A_2Y^2 + A_4Y^4 + A_6Y^6 + A_8Y^8 + A_{10}Y^{10}$$

ASPHERIC LENS EQUATION







NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 780nm
2. EFFECTIVE FOCAL LENGTH: 18.40mm ±1%
3. NUMERICAL APERTURE: 0.15
4. WORKING DISTANCE (LENS): 17.13mm
5. WORKING DISTANCE (MOUNT): 16.88mm
6. DIAMETER TOLERANCE: ±0.015mm
7. CENTER THICKNESS TOLERANCE: ±0.04mm
8. SURFACE QUALITY: 60-40 SCRATCH-DIG (INCLUDES ENTIRE BULK MATERIAL)
9. RMS WFE (TYPICAL): ≤ 0. 030 WAVES
10. MAGNIFICATION: INFINITE
11. REFRACTIVE INDEX (AT DESIGN WAVELENGTH): 1.719
12. INDEX TOLERANCE: ±0.002
13. COATING(S1&S2): BBAR Ravg<0.5% FROM 350-700nm

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION		
	NAME	DATE
DRAWN	CS	21/MAR/13
APPROVAL	DD	28/MAR/13

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VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUNDOFF ERRORS

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MOUNTED -A COATED ASPHERIC COLLIMATING LENS EFL=18.40mm

MATERIAL	REV
H-LAK54	A

ITEM #	APPROX WEIGHT
A280TM-A	0.003 kg