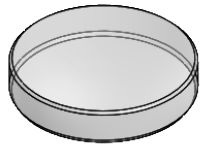


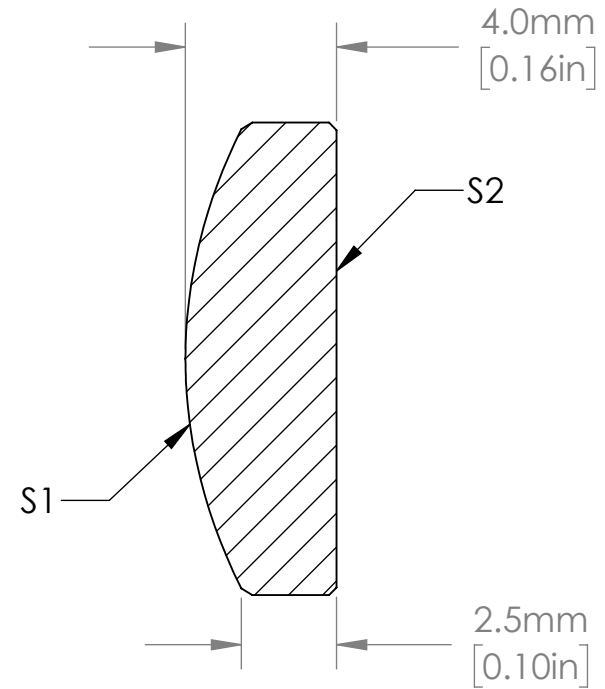
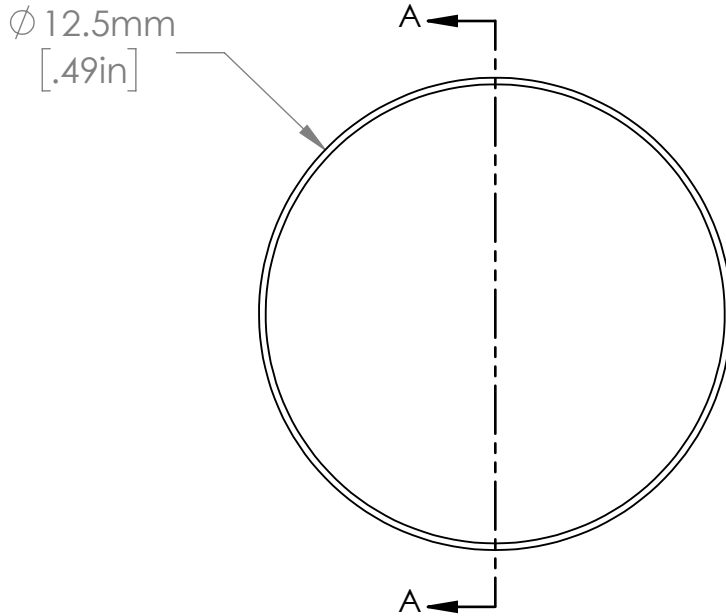
ASPHERIC COEFFICIENTS

	R	k	A ₄	A ₆	A ₈	A ₁₀	A ₁₂	A ₁₄	A ₁₆
S1	12.780	-0.6	1.8429898e-06	-3.8172252e-09	-2.4345457e-11	3.1730496e-14	-3.700237e-15	6.5107821e-17	-4.9604147e-19
S2	PLANO	-	-	-	-	-	-	-	-



ASPHERIC LENS EQUATION

$$z = \frac{Y^2}{R(1 + \sqrt{1 - (1+k)Y^2/R^2})} + A_4Y^4 + A_6Y^6 + A_8Y^8 + A_{10}Y^{10} + A_{12}Y^{12} + A_{14}Y^{14} + A_{16}Y^{16}$$



NOTES/SPECIFICATIONS:

- CLEAR APERTURE (COLLIMATION): 10.6mm
- CLEAR APERTURE (FOCUSING): 9.8mm
- Nd: 1.517 ±0.001 Vd: 64.167 ±1.0%
- DESIGN WAVELENGTH: 780nm
- FOCAL LENGTH: EFL= 25.0mm ±1.0%
- NUMERICAL APERTURE: 0.20
- WORKING DISTANCE (REF): 22.4mm
- DIAMETER TOLERANCE: +0.00,-0.05mm
- SURFACE QUALITY: 40-20 SCRATCH-DIG
- WAVEFRONT ERROR: DIFFRACTION LIMITED AT DISCRETE WAVELENGTHS FROM 350-2000 nm
- RMS IRREGULARITY (S1): <55nm
- SLOPE ERROR (PV): <200µRADIANS
- CENTRATION: <1arcmin

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			THORLABS www.thorlabs.com Ø12.5mm ASPHERIC LENS, NA=0.20, f=25.0mm, DW=780nm		
DRAWN	NAME	DATE			
APPROVAL	BW	03/NOV/16	MATERIAL	N-BK7	REV A
COPYRIGHT © 2016 BY THORLABS VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			ITEM #	AL1225H	APPROX WEIGHT 0.02 kg