ASPHERIC COEFFICIENTS

	R	k	A_4
S1	6.277	-0.6139	6.8E-05
S2	PLANO	-	-

ASPHERIC LENS EQUATION

$$z = \frac{Y^2}{R(1 + \sqrt{1 - (1+k)Y^2/R^2})} + A_4 Y^4$$

2.4mm
[0.10in]
REF

S1

S2

8.0mm
[0.31in]

A

A

⌀15.0mm
[0.59in]
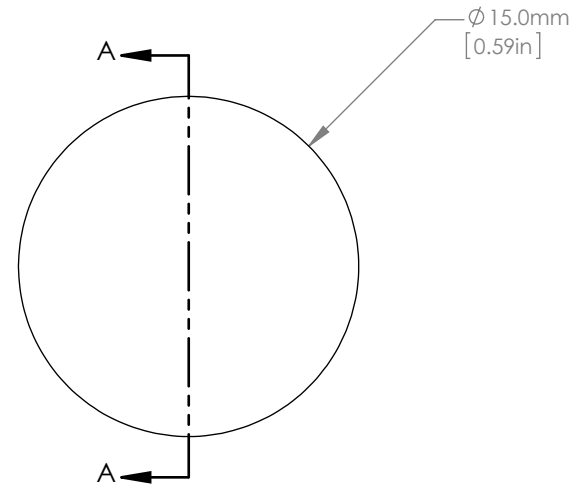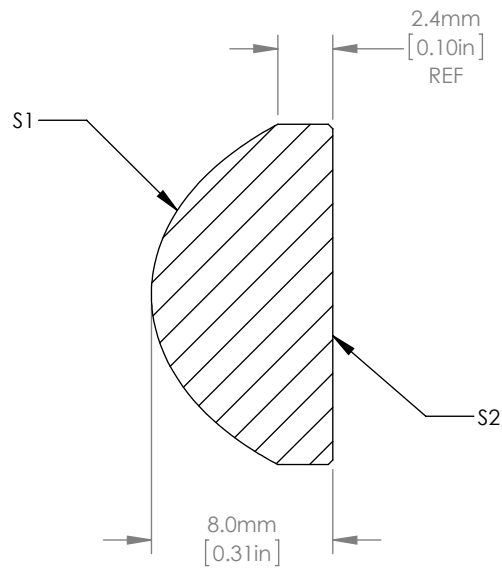
NOTES/SPECIFICATIONS
1.   FOCAL LENGTH: EFL= 12.0±8%
2.   NUMERICAL APERTURE: 0.61
3.   BACK FOCAL LENGTH (REF): 7mm
4.   MAGNIFICATION: INFINITE
5.   SURFACE QUALITY: 80-50 SCRATCH-DIG
6.   CENTRATION: <30 arcmin
7.   CLEAR APERTURE: >13.5mm
8.   COATING (S1, S2): BBAR Ravg<0.5% FROM 350-700nm
9.   MAXIMUM TEMPERATURE: 250°C (482°F)

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			THORLABS
	NAME	DATE	www.thorlabs.com
DRAWN	DS	02/JAN/15	ASPHERIC CONDENSER LENS, NA=0.61, f=12mm, AR COATED 350-700nm
APPROVAL	DD	05/JAN/15	MATERIAL

MATERIAL: B270   REV A

ITEM #: ACL1512U-A

APPROX WEIGHT: 2.4g