ASPHERIC COEFFICIENTS

	R	k	A_4
S1	5.492	-0.6230	8.7E-05
S2	PLANO	-	-

ASPHERIC LENS EQUATION

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

1.9mm
[0.08in]
REF

S1

S2

5.8mm
[0.23in]

A

A

$\emptyset$ 12.0mm
[0.47in]
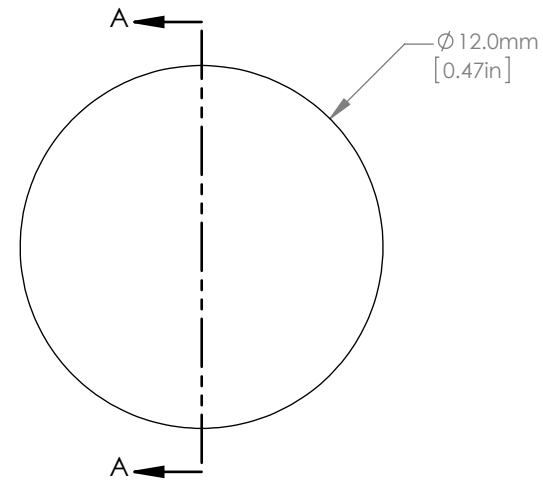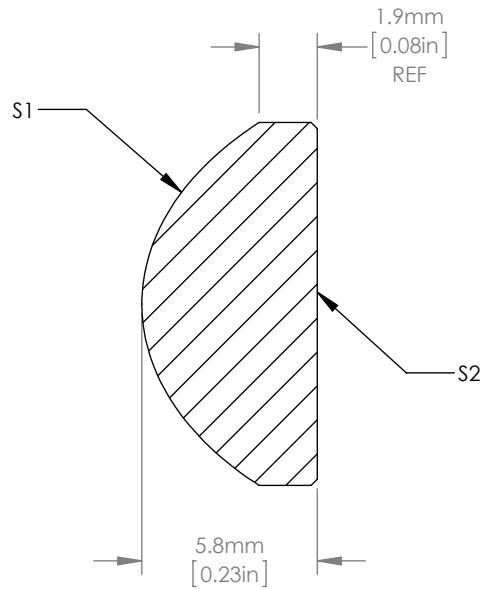
NOTES/SPECIFICATIONS
1. FOCAL LENGTH: EFL= 10.5±8%
2. NUMERICAL APERTURE: 0.54
3. BACK FOCAL LENGTH (REF): 7mm
4. MAGNIFICATION: INFINITE
5. SURFACE QUALITY: 80-50 SCRATCH-DIG
6. CENTRATION: <30 arcmin
7. CLEAR APERTURE: >10.8mm
8. COATING (S1, S2): BBAR Ravg<0.5% FROM 350-700nm
9. MAXIMUM TEMPERATURE: 250°C (482°F)

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			THORLABS www.thorlabs.com
	NAME	DATE	ASPHERIC CONDENSER LENS, NA=0.54, f=10.5mm, AR COATED 350-700nm
DRAWN	DS	02/JAN/15	
APPROVAL	DD	05/JAN/15	MATERIAL B270 REV A
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VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUNDOFF ERRORS			ITEM # ACL1210U-A / APPROX WEIGHT 1.1g