ASPHERIC COEFFICIENTS

	R	k	A_4
S1	4.185	-0.6027	2.21E-04
S2	PLANO	-	-

ASPHERIC LENS EQUATION

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

2.1mm
[0.08in]
REF

S1

S2

5.8mm
[0.23in]

A

A

Ø 10.0mm
[0.39in]
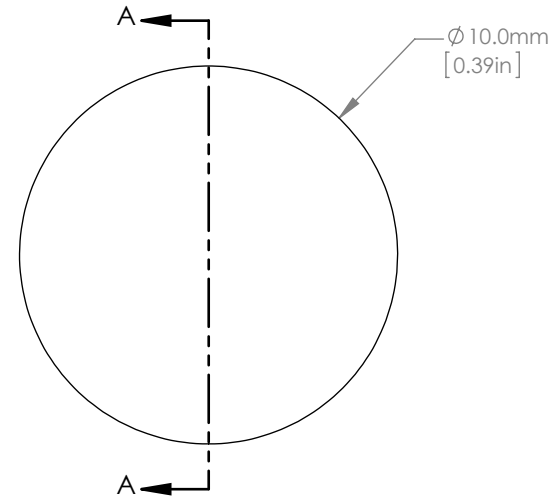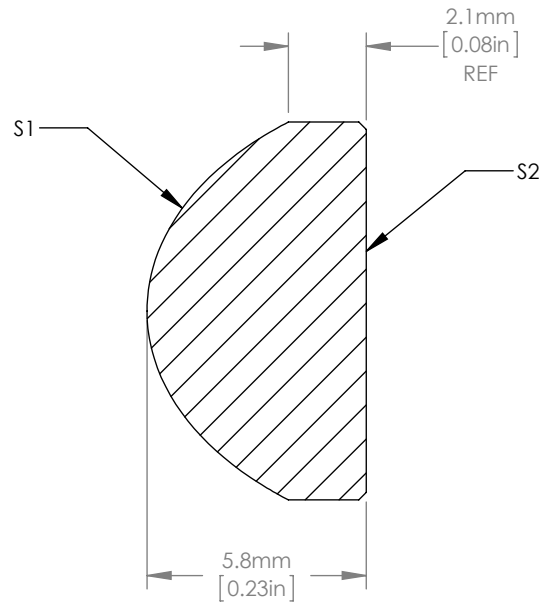
NOTES/SPECIFICATIONS
1.   FOCAL LENGTH: EFL= 8.0±8%
2.   NUMERICAL APERTURE: 0.61
3.   BACK FOCAL LENGTH (REF): 4mm
4.   MAGNIFICATION: INFINITE
5.   SURFACE QUALITY: 80-50 SCRATCH-DIG
6.   CENTRATION: <30arcmin
7.   CLEAR APERTURE: >9.0mm
8.   MAXIMUM TEMPERATURE: 250°C (482°F)

DRAWING PROJECTION

THORLABS
www.thorlabs.com

ASPHERIC CONDENSER LENS,
NA=0.61, f=8mm, DW=633nm

	NAME	DATE
DRAWN	DS	02/JAN/15
APPROVAL	DD	05/JAN/15

MATERIAL
B270

REV
A

ITEM #
ACL108U

APPROX WEIGHT
0.79g