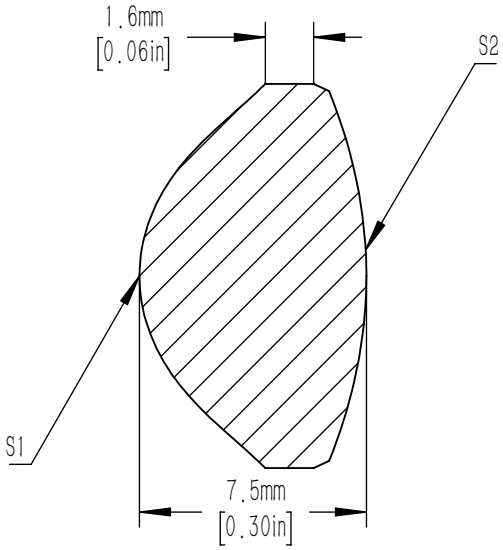
ASPHERIC COEFFICIENTS

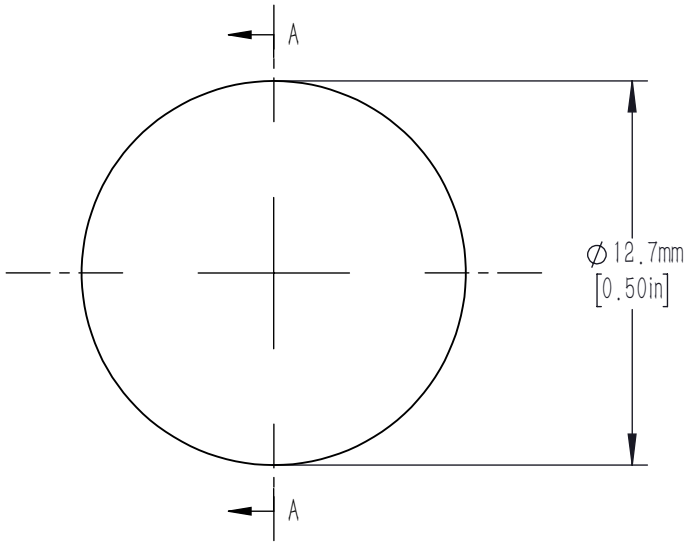
	R	k	A_4	A_6	A_8	A_{10}	A_{12}
S1	4.753124	−1.205071	5.3324183E−04	1.1162887E−05	−3.7455666E−07	−7.6342017E−09	1.36022E−010
S2	−15.6494	−	−	−	−	−	−

ASPHERIC LENS EQUATION

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



SECTION A−A



Notes/Specifications

1. Focal length: efl= 8.0±8%
2. Numerical aperture: 0.78
3. Back focal length (ref): 3.7mm
4. Magnification: infinite
5. Surface quality: 80−50 scratch−dig
6. Centration: <30 arcmin
7. Clear aperture: >11.4mm
8. Maximum temperature: 250° c (482° f)
9. COATING(S1,S2):BBAR Rag<0.5% FROM 350−700nm
   0° AOI, ON OUTER OPTICAL SURFACES

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			RCOPTICS 睿创光科			
	NAME	DATE	Aspheric Condenser Lens, D12.7, F=8 mm, NA=0.78, ARC: 350-700nm			
DRAWN	CWD	2022/5/18	ACL127-8-A			
APPROVAL	ZSB	2022/5/18	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLYNOT FOR MANUFACTURING PURPOSES			B270	0.00152Kg	4:1	A