

NOTES :

1. MATERIAL:H-ZLAF50E/L-BSL7

2. INTERPRET OPTICAL TOLERANCES
PER ISO 10110

3. COAT R1 & R2 SURFACES AS FOLLOWS:

Rabs<0.5% AT 430-650nm

450nm T>97.8%(FAI check)

540nm T>97.9%(FAI check)

630nm T>97.9%(FAI check)

4. Coating area > CA+0.1mm

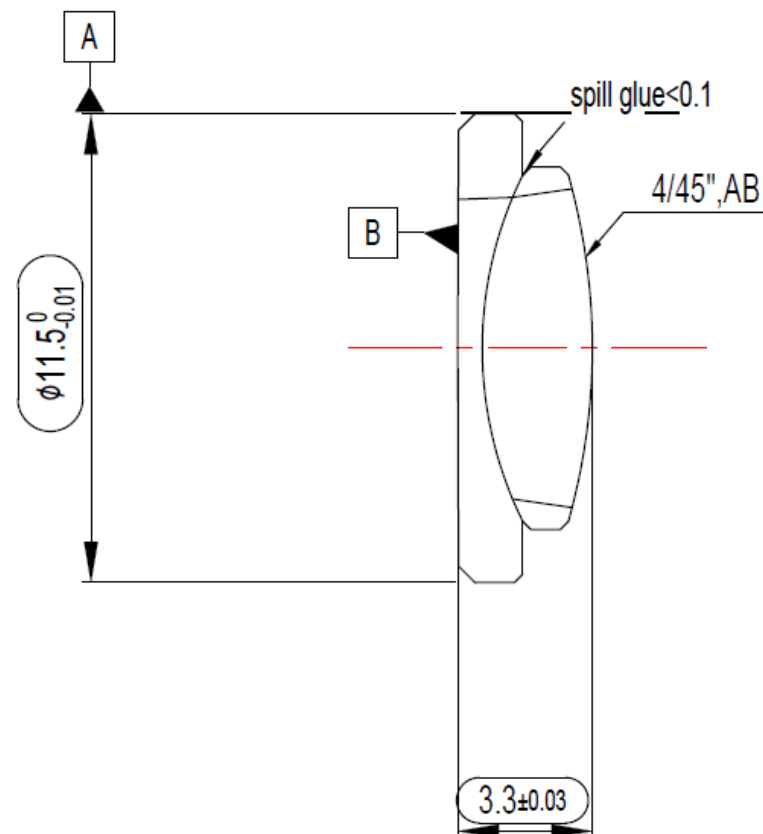
5. Coatings test methods follow ISO9211-4

Abrasion : degree of severity 04 x 1

Adhesion : degree of severity 03 x 3

6. SURFACE QUALITY:60-40 PER MIL-PRF-13830B

7.  The main inspection dimension



SV 上陽光學
SUN YANG OPTICS

Material:		Surface Finish:			TITLE: 11.5mm Dia., 3.3mm Thk. Achromatic Lens			
See note		See Note						
Scale:	Unit:	Size:	Sheet:		Stock No. 1A006 Rev. 01			
free	mm	A4	1/1					

NOTES:

1. Material : H-ZLAF50E
Nd: 1.804009±0.0003
Vd: 46.567682±0.5%

2. Interpret optical tolerance per ISO 10110

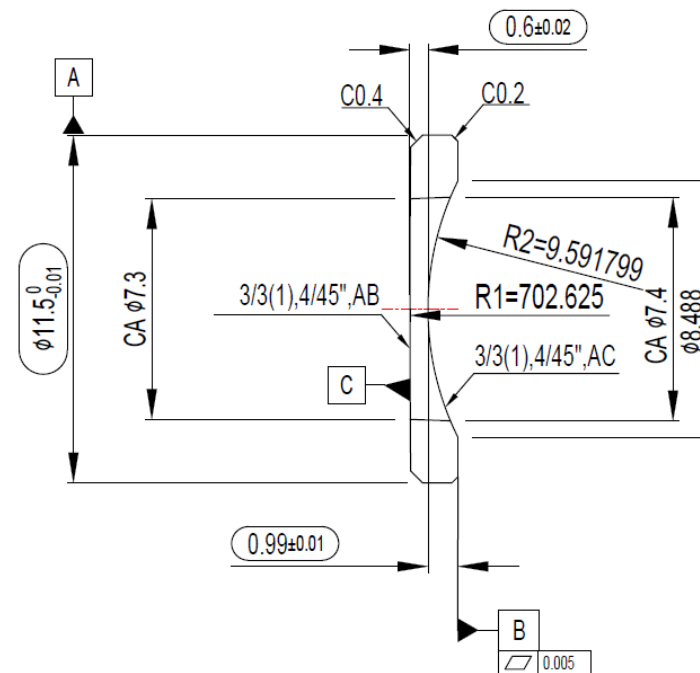
3. Coat R1 surface as follows :
Rabs < 0.3% AT 430-650nm

4. Coating area : R1 > CA+0.1mm
R2 no coating

5. Coatings test methods per ISO 9211-4
Abrasion : degree of severity 04 x 1
Adhesion : degree of severity 03 x 3

6. Surface quality 60-40 per MIL-PRF-13830B

7.  The main inspection dimension



SY 上陽光學
SUN YANG OPTICS

Material:		Surface Finish:			TITLE: 11.5mm Dia., 0.6mm Thk. Diverging Meniscus Lens			
See note		See Note						
Scale:	Unit:	Size:	Sheet:		Stock No. 1A006 Rev. 01			
free	mm	A4	1/1					

NOTES:

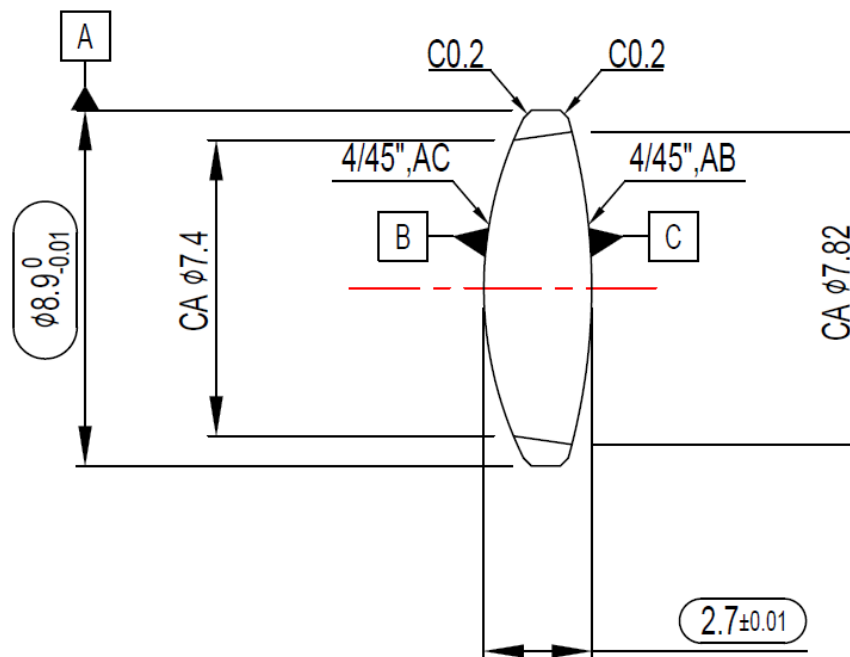
1. MATERIAL: D-K9
Nd:1.51552±0.0005 ; Vd:64.05±0.8%
2. INTERPRET OPTICAL TOLERANCES PER ISO 10110
3. COAT R2 SURFACES AS FOLLOWS:
Rabs<0.5% AT 430-650nm
4. Coatings test methods follow ISO9211-4
Abrasion : degree of severity 01 x 1
Adhesion : degree of severity 03 x 3
5. SURFACE QUALITY:60-40 PER MIL-PRF-13830B
6.  The main inspection dimension

7.ASPHERICAL COEFFICIE

$$z = \frac{cy^2}{1+\sqrt{1-(1+K)c^2y^2}} + Ay^4 + By^6 + Cy^8 + Dy^{10} + Ey^{12} + Fy^{14} + Gy^{16}$$

ASPH	L6R1	L6R2
Radius	9.59179895	-15.19695528
Conic	0.00000000	4.60181280
4TH	0.00000000E+00	2.41682450E-04
6TH	0.00000000E+00	6.57956594E-07
8TH	0.00000000E+00	-8.63162866E-08
10th	0.00000000E+00	4.70495608E-08
12th	0.00000000E+00	-5.74685165E-09
14th	0.00000000E+00	3.04106904E-10
16th	0.00000000E+00	-6.09604736E-12

Sag	L6R1	L6R2
0	0	0
0.6	0.018784	-0.011839
1.2	0.075360	-0.047296
1.8	0.170408	-0.106220
2.4	0.305109	-0.188444
3	0.481222	-0.293915
3.6	0.701208	-0.423128
4.2	0.968423	-0.578732
4.8	1.287426	-0.789146



9.SURFACE ACCURACY

Item	R1	R2
Accuracy P-V	<0.8um	<0.9um
Best Fitting P-V	<0.25um	<0.3um
AS	<0.2um	<0.2um
Roughness	<10nm	<10nm
Profile	U/n or n/U non-bendable	
Surface Decenter	< 5um	
Surface Tilt	< 60°	

SV 上陽光學
SUN YANG OPTICS

Material:	Surface Finish:		TITLE: 8.9mm Dia., 2.7mm Thk. Double-Convex Lens			
See note	See Note					
Scale:	Unit:	Size:	Sheet:	Stock No.	1A006	Rev. 01
free	mm	A4	1/1			