

NOTES :

1. MATERIAL:D-LAK6
Nd:1.693847±0.0005
Vd:53.10±0.8%

2. INTERPRET OPTICAL TOLERANCES PER ISO 10110

3. COAT ONE SURFACES AS FOLLOWS:
R(abs.)<0.5% AT 430-680nm

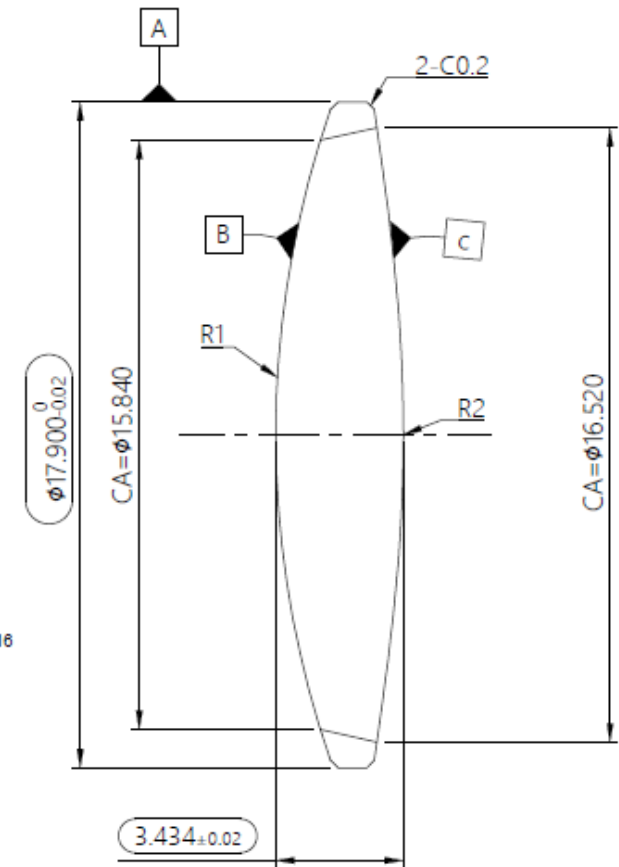
4. COATINGS SHALL MEET ADHESION USING 3M TYPE-600
TAPE AND 1KG MIL-E-12379B RUBBER TEST

5. SURFACE QUALITY:60-40,SCRATCH AND DIG PER MIL-
PRF-13830B

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

ASPH	Gmo&R1	Gmo&R2
Radius	26.65932723	-41.10930561
Conic	0.00000000	-1.08683237
A	0.00000000E+00	2.33246375E-05
B	0.00000000E+00	-1.91004029E-07
C	0.00000000E+00	1.37496253E-08
D	0.00000000E+00	-4.47477696E-10
E	0.00000000E+00	8.46370672E-12
F	0.00000000E+00	-8.54300563E-14
G	0.00000000E+00	3.53991007E-16

Sag	Gmo&R1	Sag	Gmo&R2
0	0.00000	0	0.00000
1.00	0.01876	1.00	-0.02214
2.00	0.07513	2.00	-0.08828
3.00	0.16033	3.00	-0.16763
4.00	0.30179	4.00	-0.26882
5.00	0.47308	5.00	-0.38978
6.00	0.66386	6.00	-0.52057
7.00	0.85941	7.00	-0.66203
7.92	1.20861	8.26	-0.71280



7. SURFACE ACCURACY

Item	R1	R2
Accuracy (P-V)	0.4um<PV<1.2 um	-1.0um<PV<0 um
Best Fitting (P-V)	≤ 1/3 R1 Accuracy	≤ 1/3 R2 Accuracy
AS	≤0.3um	≤0.3um
Roughness (Ra)	<10nm	<10nm
Profile	U non-bendable	N non-bendable
Decenter/Tilt (Trioptics)	< 60" (A,C)	< 60" (A,B)

8. R1 no coating · R2 coating range>φ16.52, not allow film shortage

9.  The main inspection dimension

Material:		Surface Finish:			TITLE: 17.9mm Dia., 3.434mm Thk. Aspheric Lens			
See note		See Note						
Scale:	Unit:	Size:	Sheet:					
free	mm	A4	1/1	Stock No.	1G005	Rev.	01	

SV 上陽光學
SUN YANG OPTICS