



NOTES:

- MATERIAL:D4000
Nd : 1.516221 ± 0.0005
Vd : 56.936335 ± 0.8%
- INTERPRET OPTICAL TOLERANCES PER ISO 10110
- Coat R1 & R2 surface as follows :
Rabs < 1.0% AT 460nm+25nm
Rabs < 0.5% AT 535nm+25nm
Rabs < 0.5% AT 625nm+50nm
- Coatings shall meet adhesion using CT-18 tape
- SURFACE QUALITY:60-40,SCRATCH AND DIG PER MIL-PRF-13830B
- Coating area no film shortage
- The main inspection dimension

8.ASPHERICAL COEFFICIE

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

ASPHERICAL DATA		
	R1	R2
R	19.99523057480020	17.27362961924090
K	-4.65039929763660E-02	9.82648885647692E-01
A	-6.97865061921071E-06	-3.28935325501834E-05
B	-2.26368246108589E-08	-1.71357400000000E-07
C	-3.82755519862107E-10	-1.99629200000000E-09
D	1.98959795137220E-12	1.31873700000000E-11
E	-8.05987500000355E-15	-1.29407500000000E-13
F	--	--
G	--	--

Sag(mm)		Sag(mm)	
	R1		R2
0	0.000000	0	0.000000
1.80	0.064067	1.80	0.036025
3.60	0.256884	3.60	0.144296
5.40	0.580199	5.40	0.325389
7.20	1.036409	7.20	0.580199
9.00	1.627250	9.00	0.909773
10.80	2.351045	10.80	1.314978
12.60	3.195907	12.60	1.795940
12.85	3.302840	12.85	2.272884

9.SURFACE ACCURACY

Item	R1	R2
Accuracy (P-V)	<3um	<3um
Best Fitting (P-V)	<1.5um	<1.5um
AS	≤1um	≤1um
Roughness (Ra)	<20nm	<20nm
Profile	u/n non-bendable	
Surface Decenter (UA3P)	< 5um	
Surface Tilt(UA3P)	< 60''	
Decenter/Tilt (TriOptics)	< 60''	

SY 上陽光學
SUN YANG OPTICS

TITLE: 25.9mm Dia., 6.508mm Thk. Plastic Lens

Material:	Surface Finish:	
See note	See Note	
Scale:	Unit:	Size:
free	mm	A4
Sheet:	1/1	
Stock No.	1H006	Rev. 01