

NOTES:

1. MATERIAL:480R

Nd : 1.525120 ± 0.0005

Vd : 56.281563 ± 0.8%

2. INTERPRET OPTICAL TOLERANCES PER ISO 10110

3. Coat R1 & R2 surface as follows :

Rabs < 0.7% AT 450-650nm

Rabs < 1.5% AT 650-750nm

450nm T > 98.0% (FAI check)

540nm T > 98.5% (FAI check)

630nm T > 98.5% (FAI check)

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,SCRATCH AND DIG PER MIL-PRF-13830B

6. Coating area > CA+0.1mm

7. The main inspection dimension

8.ASPHERICAL COEFFICIE

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

ASPH	L3R1	L3R2
Radius	19.18438230	14.90577982
Conic	0.00000000	0.00000000
4TH	1.49547964E-03	1.06514522E-03
6TH	-2.99165412E-05	-2.03660144E-05
8TH	5.03171789E-07	6.65929533E-07
10th	-7.49598377E-09	-2.16104274E-08
12th	6.75572240E-11	3.76748775E-10
14th	-2.79481024E-13	-3.33989557E-12
16th	2.68698062E-16	1.21201064E-14

Sag	L3R1	L3R2
0.00	0	0
1.25	0.044306	0.055032
2.50	0.215404	0.248612
3.75	0.598668	0.650150
5.00	1.268435	1.333649
6.25	2.237852	2.310689
7.50	3.419147	3.464774
8.75	4.635362	4.661168
10.00	5.504138	8.586570

9.SURFACE ACCURACY

Item	R1	R2
Design R	P-V <2.1um	<1.8um
	Profile $\cap$ non-bendable	U non-bendable
Best Fit R	P-V <0.7um	<0.6um
	Profile M bend once	W bend once
AS	<0.3um	<0.3um
Roughness	<10nm	<10nm
Surface Decenter	< 5um	
Surface Tilt	< 60°	
Decenter & Tilt	<5um (A,B)	<5um (A,B)

Material:		Surface Finish:	
See note		See Note	
Scale:	Unit:	Size:	Sheet:
free	mm	A4	1/1



TITLE: 19.4mm Dia., 3.68mm Thk.
Plastic Lens

Stock No. 1H003 Rev. 01

