



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 400 nm-700 nm
3. DIAMETER TOLERANCE: +0.0/-0.1mm
4. THICKNESS TOLERANCE: ±0.1mm
5. FOCAL LENGTH: -75.0mm±1%
6. BACK FOCAL LENGTH(REF): -77.0mm
7. CLEAR APERTURE: >90%CA
8. SURFACE QUALITY(S/D)(S1,S2): 40/20
9. SURFACE FLATNESS(S1): $\lambda/2$ @ 632.8nm
10. SURFACE POWER(S2): $3\lambda/2$ @ 632.8nm
11. SURFACE IRREGULARITY(S2): $\lambda/4$ @ 632.8nm
12. CENTRATION: <3arcmin
13. CHAMFER: <0.2 mm, 45°
14. COATING(S1,S2): AR COATING $R_{avg} < 0.5\%$ @ 400nm-700nm

	PART DESCRIPTION	MATERIAL
①	SM1L8A	ANODIZED ALUMINIUM
②	PCB25475-A	N-BK7
③	SM1SR	ANODIZED ALUMINIUM

DRAWING PROJECTION				 cruis-optics.com			
	NAME	DATE	PCB25475-AM				
DRAWN	WENSHUO	2024/08/26	ϕ 25.4 mm, f=-75.0 mm PLANO CONCAVE LENS AR COATING 400-700nm				
APPROVAL	SHAWN	2024/08/26	MATERIAL	WEIGHT	SCALE	REV	
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N/A		2:1	A	