



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: -50.0mm±1%
6. BACK FOCAL LENGTH(REF): -52.1mm
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	SM05L8A	ANODIZED ALUMINIUM
②	PCB12750-A	N-BK7
③	SM05SR	ANODIZED ALUMINIUM

DRAWING PROJECTION				 <a href="http://cruis-optics.com">cruis-optics.com</a>			
	NAME	DATE	PCB12750-AM				
DRAWN	WENSHUO	2024/08/26	$\phi$ 12.7 mm, f=-50.0 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	