



NOTES

1. DESIGN WAVELENGTH: 486.1 nm, 587.6 nm & 656.3 nm
2. CLEAR APERTURE: >90%CA
3. OPERATION WAVELENGTH: 400 nm-700 nm
4. DIAMETER TOLERANCE: +0.0/-0.1 mm
5. THICKNESS TOLERANCE: ±0.1 mm
6. FOCAL LENGTH: 500.0 mm ±1% @ 587.6 nm
7. BACK FOCAL LENGTH(REF): 499.9 mm
8. SURFACE QUALITY(S/D)(S1, S2): 40/20
9. SURFACE POWER(S1, S2): $3\lambda/2 @ 632.8\text{ nm}$
10. SURFACE IRREGULARITY(S1, S2): $\lambda/4 @ 632.8\text{ nm}$
11. CENTRATION: <3 arcmin
12. CHAMFER: <0.2 mm, 45°
13. COATING(S1, S2): AR COATING $R_{avg} < 0.5% @ 400\text{ nm}-700\text{ nm}$

	PART DESCRIPTION	MATERIAL
①	SM1-8A	ANODIZED ALUMINIUM
②	AD421-A	N-BK7
		SF2
③	SM1R	ANODIZED ALUMINIUM

DRAWING PROJECTION			LBTEK			
		NAME	DATE	MAD424-A		
DRAWN	BSHU	Aug./5th/24	$\phi 25.4\text{ mm}, F=500.0\text{ mm}$ ACHROMATIC DOUBLETS AR COATING 400-700 nm			
APPROVAL	WCHENG	Aug./5th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BK7/SF2	40.80g	2:1	B