



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: 125.0 mm ±1% @ 587.6 nm
7. BACK FOCAL LENGTH(REF): 122.0 mm
8. SURFACE QUALITY(S/D)(S1, S2): 40/20
9. SURFACE POWER(S1, S2): $3\lambda/2$ @ 632.8 nm
10. SURFACE IRREGULARITY(S1, S2): $\lambda/4$ @ 632.8 nm
11. CENTRATION: <3 arcmin
12. CHAMFER: <0.2 mm, 45°
13. COATING(S1, S2): AR COATING R_{avg} <0.5% @ 400 nm-700 nm

	PART DESCRIPTION	MATERIAL
①	SM1-8A	ANODIZED ALUMINIUM
②	AD409-A	N-BK7
		N-SF5
③	SM1R	ANODIZED ALUMINIUM

DRAWING PROJECTION			LBTEK				
			MAD409-A				
DRAWN		BSHU	Ø 25.4 mm, F=125.0 mm ACHROMATIC DOUBLETS AR COATING 400-700 nm				
APPROVAL		WCHENG	DATE	MATERIAL	WEIGHT	SCALE	REV
			Aug./5th/24	N-BK7/N-SF5	41.81g	2:1	B
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES							