



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: $+0.0/-0.1\text{ mm}$
5. THICKNESS TOLERANCE: $\pm 0.1\text{ mm}$
6. FOCAL LENGTH: $125.0\text{ mm} \pm 1\% @ 587.6\text{ nm}$
7. BACK FOCAL LENGTH(REF): 122.0 mm
8. SURFACE QUALITY(S/D)(S1,S2): 40/20
9. SURFACE POWER(S1,S2): $3\lambda/2 @ 632.8\text{ nm}$
10. SURFACE IRREGULARITY(S1,S2): $\lambda/4 @ 632.8\text{ nm}$
11. CENTRATION: $<3\text{ arcmin}$
12. CHAMFER: $<0.2\text{ mm}, 45^\circ$
13. COATING(S1,S2): AR COATING $R_{avg} < 0.5\% @ 400\text{ nm}-700\text{ nm}$

	MATERIAL
①	N-BK7
②	N-SF5

DRAWING PROJECTION		LBTEK				
	NAME	DATE	AD409-A			
DRAWN	BSHU	Aug./1st/24	$\phi 25.4\text{ mm}, F=125.0\text{ mm}$ ACHROMATIC DOUBLETS AR COATING 400-700 nm			
APPROVAL	WCHENG	Aug./1st/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BK7/N-SF5	23.91g	10:1	A