



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: $30.0\text{ mm} \pm 1\% @ 586.7\text{ nm}$
7. BACK FOCAL LENGTH(REF): 27.8 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 $R_{\text{avg}} < 0.5\% @ 400\text{ nm}-700\text{ nm}$

	MATERIAL
①	N-SF2
②	N-BK7

DRAWING PROJECTION			LBTEK			
	NAME	DATE	AD205-A			
DRAWN	BSHU	Aug./1st/24	$\varnothing 8.0\text{ mm}, F=30.0\text{ mm}$ 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-SF2	0.18g	5:1	A