



NOTES:

1. DESIGN WAVELENGTH: 488 nm, 707 nm&1064 nm
2. CLEAR APERTURE: >90 %CA
3. OPERATION WAVELENGTH: 400 nm-1100 nm
4. DIAMETER TOLERANCE: $+0.0/-0.1\text{ mm}$
5. THICKNESS TOLERANCE: $\pm 0.1\text{ mm}$
6. FOCAL LENGTH: $400.0\text{ mm} \pm 1\% @ 707\text{ nm}$
7. BACK FOCAL LENGTH: 388.56 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. AR COATING (S1,S2) : $R_{\text{avg}} < 1\% @ 400\text{ nm}-1100\text{ nm}, 0^\circ\text{ AOI}$

	MATERIAL
①	H-BAK7
②	H-ZF4A

DRAWING PROJECTION				LBTEK			
	NAME	DATE	AD520-AB				
DRAWN	SHAN	SEP./9th/24	ACHROMATIC DOUBLETS				
APPROVAL	WCHENG	SEP./9th/24	MATERIAL	WEIGHT	SCALE	REV	
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			H-BAK7/H-ZF4A	71.57g	1:1	A	