



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: $100.0 \text{ mm} \pm 1\% @ 707 \text{ nm}$
7. BACK FOCAL LENGTH(REF): 91.7 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 $R_{avg} < 1.0\% @ 400 \text{ nm} - 1100 \text{ nm}$

	MATERIAL
①	H-LAK10
②	H-ZF7LA

DRAWING PROJECTION				LBTEK					
		NAME		DATE		AD508-AB			
DRAWN		LTAN		JUN./23rd/25		$\phi 50.8 \text{ mm}, F=100.0 \text{ mm}$ ACHROMATIC DOUBLETS AR COATING 400-1100 nm			
APPROVAL		WCHENG		JUN./23rd/25		MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES				H-LAK10/H-ZF7LA		86.1g	1:1	A	