



NOTES

1. DESIGN WAVELENGTH: 706.5 nm, 855.0 nm & 1015.0 nm
2. CLEAR APERTURE: $>90\%CA$
3. OPERATION WAVELENGTH: 700 nm–1100 nm
4. DIAMETER TOLERANCE: $+0.0/-0.1\text{ mm}$
5. THICKNESS TOLERANCE: $\pm 0.1\text{ mm}$
6. FOCAL LENGTH: $125.0\text{ mm} \pm 1\% @ 855.0\text{ nm}$
7. BACK FOCAL LENGTH(REF): 115.4 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 $R_{\text{avg}} < 0.5\% @ 700\text{ nm} - 1100\text{ nm}$

	MATERIAL
①	N-BK7
②	N-SF8

DRAWING PROJECTION		LBTEK				
		AD409-B				
DRAWN	BSHU	DATE	$\varnothing 25.4\text{ mm}, F=125.0\text{ mm}$ ACHROMATIC DOUBLETS AR COATING 700–1100 nm			
APPROVAL	WCHENG	Aug./5th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BK7/N-SF8	43.91g	10:1	A