



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 mm
5. THICKNESS TOLERANCE: ±0.1 mm
6. FOCAL LENGTH: 30.0 mm ±1% @ 855.0 nm
7. BACK FOCAL LENGTH(REF): 27.3 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 arcmin
12. CHAMFER: <0.2 mm, 45°
13. COATING(S1, S2): AR COATING $R_{avg} < 0.5% @ 700 \text{ nm}-1100 \text{ nm}$

	PART DESCRIPTION	MATERIAL
①	SM05-8A	ANODIZED ALUMINIUM
②	AD305-B	N-LAK22
		N-SF6HT
③	SM05R	ANODIZED ALUMINIUM

DRAWING PROJECTION				LBTEK					
		NAME		DATE		MAD305-B			
DRAWN		BSHU		Aug./5th/24		$\phi 12.7 \text{ mm}, F=30.0 \text{ mm}$ ACHROMATIC DOUBLETS AR COATING 700-1100 nm			
APPROVAL		WCHENG		Aug./5th/24		MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES						N-LAK22/N-SF6HT	12.70g	2:1	B