



NOTE

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: $f=135 \text{ mm} \pm 1\% @ 855 \text{ nm}$
7. BACK FOCAL LENGTH(REF): 129.5 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 $R_{\text{avg}} < 0.5\% @ 400 \text{ nm}-700 \text{ nm}$

	PART DESCRIPTION	MATERIAL
①	SM1-12.5A	ANODIZED ALUMINIUM
②	AD432-B	N-LAK22/N-SF10
③	SM1R	ANODIZED ALUMINIUM

DRAWING PROJECTION			LBTEK			
		NAME	DATE	MAD432-B		
DRAWN	BSHU	Aug./5th/24	$\phi 25.4 \text{ mm } F=135 \text{ mm}$ ACHROMATIC DOUBLETS AR COATING: 700 nm-1100 nm			
APPROVAL	WCHENG	Aug./5th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-LAK22/N-SF10	0.03 g	2:1	B