



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: 125.0 mm ±1% @ 855.0 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 nm
10. SURFACE IRREGULARITY(S1,S2): $\lambda/4$ @ 632.8 nm
11. CENTRATION: <3 arcmin
12. CHAMFER: <0.2 mm, 45°
13. COATING(S1,S2): AR COATING R_{avg} <0.5% @ 700 nm-1100 nm

	PART DESCRIPTION	MATERIAL
①	SM1-16.5A	ANODIZED ALUMINIUM
②	AD409-B	N-BK7
		N-SF8
③	SM1R	ANODIZED ALUMINIUM

DRAWING PROJECTION				<h1 style="color: red; margin: 0;">LBTEK</h1>			
		NAME		DATE		MAD409-B	
DRAWN		BSHU	Aug./5th/24		ϕ 25.4 mm, F=125.0 mm ACHROMATIC DOUBLETS AR COATING 700-1100 nm		
APPROVAL		WCHENG	Aug./5th/24		MATERIAL	WEIGHT	SCALE
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES					N-BK7/N-SF8	74.13g	2:1
					REV	B	