



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: 45.0 mm ±1%@855.0 nm
7. BACK FOCAL LENGTH(REF): 39.6 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	SM1-12.5A	ANODIZED ALUMINIUM
②	AD416-B	N-LAK22
		N-SF6HT
③	SM1R	ANODIZED ALUMINIUM

DRAWING PROJECTION		LBTEK				
		MAD416-B				
DRAWN	BSHU	DATE	$\phi 25.4\text{ mm}, F=45.0\text{ mm}$ 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	54.70g	2:1	B