



	PART DESCRIPTION	MATERIAL
①	SM1-12.5A	ANODIZED ALUMINIUM
②	ADN412-A	N-BAK4
		SF5
③	SM1R	ANODIZED ALUMINIUM

NOTES

1. MATERIAL: N-BAK4/SF5
2. DESIGN WAVELENGTH: 486.1 nm, 587.6 nm & 656.3 nm
3. CLEAR APERTURE: >90%CA
4. OPERATION WAVELENGTH: 400 nm-700 nm
5. DIAMETER TOLERANCE: +0.0/-0.1 mm
6. THICKNESS TOLERANCE: ±0.2 mm
7. FOCAL LENGTH: -75.0 mm ±1% @ 587.6 nm
8. BACK FOCAL LENGTH(REF): -78.8 mm
9. SURFACE QUALITY (S/D) (S1,S2): 40/20
10. SURFACE POWER (S1,S2): $3\lambda/2$ @ 632.8 nm
11. SURFACE IRREGULARITY(S1,S2): $\lambda/4$ @ 632.8 nm
12. CENTRATION: <3 arcmin
13. CHAMFER: <0.2 mm, 45°
14. COATING (S1,S2): AR COATING R_{avg} <0.5% @ 400 nm-700 nm

DRAWING PROJECTION			LBTEK			
	NAME	DATE	MADN412-A			
DRAWN	BSHU	Aug./5th/24	ϕ 25.4 mm, F=-75.0 mm ACHROMATIC DOUBLETS AR COATING 400-700 nm			
APPROVAL	WCHENG	Aug./5th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BAK4/SF5	13.50g	2:1	B