



	PART DESCRIPTION	MATERIAL
①	SM2-25A	ANODIZED ALUMINIUM
②	AD520-A	N-BK7
		N-SF2
③	SM2R	ANODIZED ALUMINIUM



NOTES

1. MATERIAL: N-BK7/N-SF2
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: 400.0 mm ±1%@587.6 nm
8. BACK FOCAL LENGTH(REF): 394.6 mm
9. SURFACE QUALITY (S/D) (S1,S2) : 40/20
10. SURFACE POWER (S1,S2) : $3\lambda/2@632.8\text{ nm}$
11. SURFACE IRREGULARITY(S1,S2): $\lambda/4@632.8\text{ nm}$
12. CENTRATION: <3 arcmin
13. CHAMFER: <0.2 mm, 45°
14. AR COATING (S1,S2) : $R_{avg}<0.5\%@400\text{ nm}-700\text{ nm}$ (6° AOI, single)

DRAWING PROJECTION			LBTEK			
	NAME	DATE	MAD520-A			
DRAWN	SHAN	MAY./7th/25	ACHROMATIC DOUBLETS			
APPROVAL	WCHENG	MAY./7th/25	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N/A	110.76g	1:1	A