



	PART DESCRIPTION	MATERIAL
①	SM2-25A	ANODIZED ALUMINIUM
②	AD518-A	N-BK7
		SF2
③	SM2R	ANODIZED ALUMINIUM



NOTES

- MATERIAL: N-BK7/SF2
- DESIGN WAVELENGTH: 486.1 nm, 587.6 nm & 656.3 nm
- CLEAR APERTURE: $>90\%CA$
- OPERATION WAVELENGTH: 400 nm-700 nm
- DIAMETER TOLERANCE: $+0.0/-0.1\text{mm}$
- THICKNESS TOLERANCE: $\pm 0.2\text{mm}$
- FOCAL LENGTH: $200.0\text{mm} \pm 1\% @ 587.6\text{nm}$
- BACK FOCAL LENGTH(REF): 190.66 mm
- SURFACE QUALITY (S/D) (S1,S2) : 40/20
- SURFACE POWER (S1,S2) : $3\lambda/2 @ 632.8\text{nm}$
- SURFACE IRREGULARITY(S1,S2): $\lambda/4 @ 632.8\text{nm}$
- CENTRATION: $<3\text{ arcmin}$
- CHAMFER: $<0.2\text{mm}, 45^\circ$
- AR COATING (S1,S2) : $R_{avg} < 0.5\% @ 400\text{nm}-700\text{nm}$ (6°AOI , single)

DRAWING PROJECTION				LBTEK			
				MAD518-A			
	NAME	DATE	ACHROMATIC DOUBLETS				
DRAWN	SHAN	MAY./7th/25	MATERIAL	WEIGHT	SCALE	REV	
APPROVAL	WCHENG	MAY./7th/25	N/A	110.01g	1:1	A	
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES							