



	PART DESCRIPTION	MATERIAL
①	SM2-16.5A	ANODIZED ALUMINIUM
②	AD510-B	N-LAK22
		N-SF6HT
③	SM2R	ANODIZED ALUMINIUM



NOTES

- MATERIAL: N-LAK22/N-SF6HT
- DESIGN WAVELENGTH: 706.5 nm, 855 nm & 1015 nm
- CLEAR APERTURE: $>90\%CA$
- OPERATION WAVELENGTH: 700 nm-1100 nm
- DIAMETER TOLERANCE: $+0.0/-0.1\text{ mm}$
- THICKNESS TOLERANCE: $\pm 0.2\text{ mm}$
- FOCAL LENGTH: $150.0\text{ mm} \pm 1\% @ 855\text{ nm}$
- BACK FOCAL LENGTH(REF): 145.3 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) : $R_{avg} < 0.5\% @ 700\text{ nm}-1100\text{ nm}$ ($6^\circ AOI$, single)

DRAWING PROJECTION				LBTEK			
	NAME	DATE	MAD510-B				
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	42.23g	1:1	A	