



	PART DESCRIPTION	MATERIAL
①	SM1-12.5A	ANODIZED ALUMINIUM
②	AD418-C	N-LAK22
		N-SF6
③	SM1R	ANODIZED ALUMINIUM



NOTES

- MATERIAL: N-LAK22/N-SF6
- DESIGN WAVELENGTH: 1016 nm, 1330 nm & 1550 nm
- CLEAR APERTURE: $>90\%CA$
- OPERATION WAVELENGTH: 1100 nm-1650 nm
- DIAMETER TOLERANCE: $+0.0/-0.1\text{ mm}$
- THICKNESS TOLERANCE: $\pm 0.2\text{ mm}$
- FOCAL LENGTH: $200.0\text{ mm} \pm 1\% @ 1330\text{ nm}$
- BACK FOCAL LENGTH(REF): 193.1 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) : $R_{avg} < 0.5\% @ 1100\text{ nm}-1650\text{ nm}$ ($6^\circ AOI$, single)

DRAWING PROJECTION			LBTEK			
		NAME	DATE	MAD418-C		
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	19.65 g	2:1	A