



	PART DESCRIPTION	MATERIAL
①	SM2-12.5A	ANODIZED ALUMINIUM
②	AD529-B	N-BAF10
		N-SF10
③	SM2R	ANODIZED ALUMINIUM



#### NOTES

- MATERIAL: N-BAF10/N-SF10
- DESIGN WAVELENGTH: 706.5 nm, 855 nm & 1015 nm
- CLEAR APERTURE:  $>90\%CA$
- OPERATION WAVELENGTH: 700 nm-1100 nm
- DIAMETER TOLERANCE:  $+0.0/-0.1$  mm
- THICKNESS TOLERANCE:  $\pm 0.2$  mm
- FOCAL LENGTH: 1000.0 mm  $\pm 1\%$ @855 nm
- BACK FOCAL LENGTH(REF): 993.6 mm
- SURFACE QUALITY (S/D) (S1,S2) : 40/20
- SURFACE POWER (S1,S2) :  $3\lambda/2$ @632.8 nm
- SURFACE IRREGULARITY(S1,S2):  $\lambda/4$ @632.8 nm
- CENTRATION:  $<3$  arcmin
- CHAMFER:  $<0.2$  mm,  $45^\circ$
- AR COATING (S1,S2) :  $R_{avg} < 0.5\%$ @700 nm-1100 nm ( $6^\circ$  AOI, single)

DRAWING PROJECTION				<b>LBTEK</b>			
		NAME	DATE	MAD529-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	58.34g	1:1	A	