



	PART DESCRIPTION	MATERIAL
①	SM1-8A	ANODIZED ALUMINIUM
②	AD424-C	N-SF2
		N-SF6
③	SM1R	ANODIZED ALUMINIUM



NOTES

1. MATERIAL: N-SF2/N-SF6
2. DESIGN WAVELENGTH: 1016 nm, 1330 nm & 1550 nm
3. CLEAR APERTURE: >90%CA
4. OPERATION WAVELENGTH: 1100 nm-1650 nm
5. DIAMETER TOLERANCE: +0.0/-0.1 mm
6. THICKNESS TOLERANCE: ±0.2 mm
7. FOCAL LENGTH: 500.0 mm ±1%@1330 nm
8. BACK FOCAL LENGTH(REF): 490.2 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) :  $R_{\text{avg}} < 0.5\% @ 1100\text{ nm}-1650\text{ nm}$  (6° AOI, single)

DRAWING PROJECTION				<h1 style="color: red; margin: 0;">LBTEK</h1>			
	NAME	DATE		ACHROMATIC DOUBLETS			
DRAWN	SHAN	MAY./7th/25		MATERIAL	WEIGHT	SCALE	REV
APPROVAL	WCHENG	MAY./7th/25		N/A	13.62 g	2:1	A
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES							