



NOTES

1. DESIGN WAVELENGTH: 1016.0 nm, 1330.0 nm & 1550.0 nm
2. CLEAR APERTURE: >90%CA
3. OPERATION WAVELENGTH: 1100 nm-1650 nm
4. DIAMETER TOLERANCE: +0.0/-0.1 mm
5. THICKNESS TOLERANCE: ±0.1 mm
6. FOCAL LENGTH: 125.0 mm ±1% @ 1330.0 nm
7. BACK FOCAL LENGTH(REF): 115.35 mm
8. SURFACE QUALITY(S/D)(S1, S2): 40/20
9. SURFACE POWER(S1, S2):  $3\lambda/2 @ 632.8\text{ nm}$
10. SURFACE IRREGULARITY(S1, S2):  $\lambda/4 @ 632.8\text{ nm}$
11. CENTRATION: <3 arcmin
12. CHAMFER: <0.2 mm, 45°
13. COATING(S1, S2): AR COATING  $R_{avg} < 0.5\% @ 1100\text{ nm}-1650\text{ nm}$

	PART DESCRIPTION	MATERIAL
①	SM1-12.5A	ANODIZED ALUMINIUM
②	AD409-C	N-LAK22
		N-SF6
③	SM1R	ANODIZED ALUMINIUM

DRAWING PROJECTION			<b>LBTEK</b>			
	NAME	DATE	MAD409-C			
DRAWN	BSHU	Aug./5th/24	$\phi 25.4\text{ mm}, F=125.0\text{ mm}$ ACHROMATIC DOUBLETS AR COATING 1100-1650 nm			
APPROVAL	WCHENG	Aug./5th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-LAK22/N-SF6	53.11g	2:1	B