



NOTES

1. DESIGN WAVELENGTH: 706.5 nm, 855.0 nm & 1015.0 nm
2. CLEAR APERTURE: >90%CA
3. OPERATION WAVELENGTH: 700 nm-1100 nm
4. DIAMETER TOLERANCE: +0.0/-0.1 mm
5. THICKNESS TOLERANCE: ±0.1 mm
6. FOCAL LENGTH: 25.0 mm ±1% @ 855.0 nm
7. BACK FOCAL LENGTH(REF): 21.5 mm
8. SURFACE QUALITY(S/D)(S1, S2): 40/20
9. SURFACE POWER(S1, S2):  $3\lambda/2$  @ 632.8 nm
10. SURFACE IRREGULARITY(S1, S2):  $\lambda/4$  @ 632.8 nm
11. CENTRATION: <3 arcmin
12. CHAMFER: <0.2 mm, 45°
13. COATING(S1, S2): AR COATING  $R_{avg}$  <0.5% @ 700 nm-1100 nm

	PART DESCRIPTION	MATERIAL
①	SM05-8A	ANODIZED ALUMINIUM
②	AD304-B	N-LAK22
		N-SF6HT
③	SM05R	ANODIZED ALUMINIUM

DRAWING PROJECTION				<h1 style="color: red;">LBTEK</h1>			
DRAWN	BSHU	DATE	Aug./5th/24	$\phi$ 12.7 mm, F=25.0 mm ACHROMATIC DOUBLETS AR COATING 700-1100 nm			
APPROVAL	WCHENG	DATE	Aug./5th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES				N-LAK22/N-SF6HT	14.54g	2:1	B