



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: 50.0 mm ±1% @ 1330.0 nm
7. BACK FOCAL LENGTH(REF): 43.5 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	SM05-8A	ANODIZED ALUMINIUM
②	AD306-C	N-BAF10
		N-SF6
③	SM05R	ANODIZED ALUMINIUM

DRAWING PROJECTION				<b>LBTEK</b>					
		NAME		DATE		MAD306-C			
DRAWN		BSHU		Aug./5th/24		$\phi 12.7 \text{ mm}, F=50.0 \text{ mm}$ ACHROMATIC DOUBLETS AR COATING 1100-1650 nm			
APPROVAL		WCHENG		Aug./5th/24		MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES						N-BAF10/N-SF6	13.41g	2:1	B