



NOTES

1. DESIGN WAVELENGTH: 10.6 μm
2. OPERATION WAVELENGTH: 4.5 μm - 7.5 μm
3. DIAMETER TOLERANCE: +0.0/-0.1 mm
4. THICKNESS TOLERANCE: ± 0.1 mm
5. FOCAL LENGTH: $f=149\text{ mm}\pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=147.3\text{ mm}$
7. CLEAR APERTURE: $>90\%CA$
8. SURFACE QUALITY(S/D)(S1.S2): 40/20
9. SURFACE FLATNESS(S1): $\lambda/2 @ 632.8\text{ nm}$
10. SURFACE POWER(S2): $3\lambda/2 @ 632.8\text{ nm}$
11. SURFACE IRREGULARITY(S2): $\lambda/4 @ 632.8\text{ nm}$
12. CENTRATION: $<3\text{ arcmin}$
13. CHAMFER: $<0.2\text{ mm}, 45^\circ$
14. COATING(S1,S2): $T_{\text{avg}}\geq 97\%$, $T_{\text{abs}}\geq 94\%$,
 $R_{\text{avg}}\leq 1\%$, $R_{\text{abs}}\leq 2\% @ 4.5\ \mu\text{m} - 7.5\ \mu\text{m}$

DRAWING PROJECTION			LBTEK			
	NAME	DATE				
DRAWN	BSHU	JUL./24th/24	$\varnothing 25.4\text{ mm}, f=149\text{ mm}$ PLANO CONVEX LENS AR COATING 4.5 μm -7.5 μm			
APPROVAL	WCHENG	JUL./24th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			ZnSe	10.17 g	2:1	A