



NOTES

1. DESIGN WAVELENGTH: $10.6\ \mu\text{m}$
2. OPERATION WAVELENGTH: $4.5\ \mu\text{m}-7.5\ \mu\text{m}$
3. DIAMETER TOLERANCE: $+0.0/-0.1\ \text{mm}$
4. THICKNESS TOLERANCE: $\pm 0.1\ \text{mm}$
5. FOCAL LENGTH: $f=200\ \text{mm}\pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=199.3\ \text{mm}$
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	$\varnothing 25.4\ \text{mm}, f=200\ \text{mm}$ PLANO CONVEX LENS AR COATING $4.5\ \mu\text{m}-7.5\ \mu\text{m}$			
APPROVAL	WCHENG	JUL./24th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			ZnSe	10.30 g	2:1	A