



NOTES

1. CLEAR APERTURE: $>90\%$
2. DIAMETER TOLERANCE: $+0.0/-0.2\text{ mm}$
3. THICKNESS TOLERANC: $\pm 0.2\text{ mm}$
4. WEDGE ANGLE TOLERANCE: $\pm 0.15^\circ$
5. SURFACE QUALITY(S/D): 40/20
6. WAVEFRONT ERROR(RMS): $\lambda/6@633\text{ nm}$
7. COATING:
 - SPLITTING COATING(S1):
 Tabs = $90 \pm 8\%$, Rabs = $10 \pm 8\%$
 Tabs + Rabs $> 99\%$
 $|T_s - T_p| < 35\%$ and $|R_s - R_p| < 35\%$, 45° AOI
 AR COATING(S2): Rabs $< 1\%$, 1100 nm–1650 nm, 45° AOI
8. CHAMFER: $< 0.3\text{ mm}$, 45°

DRAWING PROJECTION			LBTEK			
	NAME	DATE				
DRAWN	LZHOU	Aug./5th/24	FLAT BEAM SPLITTER $\varnothing 25.4\text{ mm} \times 5.0\text{ mm}$, 1100–1650 nm			
APPROVAL	WCHENG	Aug./5th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			UVFS	5.6 g	1:1	A