



ARROW POINTS TO THE SPLITTING COATING

NOTES

1. CLEAR APERTURE: >90%
2. DIAMETER TOLERANCE: +0.0/-0.2 mm
3. THICKNESS TOLERANCE: ±0.2 mm
4. WEDGE ANGLE TOLERANCE: ±0.15°
5. SURFACE QUALITY(S/D): 40/20
6. WAVEFRONT ERROR(RMS): $\lambda/6@633\text{ nm}$
7. COATING:
 - SPLITTING COATING(S1): $T_{\text{abs}}=50 \pm 8\%$, $a_{\text{bs}}=50 \pm 8\%$,
 $T_{\text{abs}}+R_{\text{abs}}>90\%$, $T_{\text{avg}}+R_{\text{avg}}>95\%$,
 $|T_{\text{p}}-T_{\text{s}}|<35\%$, $|R_{\text{p}}-R_{\text{s}}|<35\%$, 700 nm-1100 nm, 45° AOI
 - AR COATING(S2): $R_{\text{abs}}<1\%$, 700 nm-1100 nm, 45° AOI
8. CHAMFER: <0.2mm, 45°

DRAWING PROJECTION			LBTEK			
	NAME	DATE	BS2155-B			
DRAWN	LZHOU	Aug./5th/24	FLAT BEAM SPLITTER $\phi 25.4\text{ mm} \times 5.0\text{ mm}$, 700-1100 nm			
APPROVAL	WCHENG	Aug./5th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			UVFS	5.6 g	1:1	A