



ARROW POINTS TO THE SPLITTING COATING

NOTES

1. CLEAR APERTURE: >90%
2. DIAMETER TOLERANCE:  $\pm 0.2$  mm
3. THICKNESS TOLERANC:  $\pm 0.05$  mm
4. SURFACE QUALITY(S/D): 40/20
5. WAVEFRONT ERROR(RMS):  $\lambda / 2 @ 633$  nm
6. COATING:
  - SPLITTING COATING(S1):
    - $T_{\text{abs}} = 90 \pm 8\%$ ,  $R_{\text{abs}} = 10 \pm 8\%$
    - $T_{\text{abs}} + R_{\text{abs}} > 99\%$
    - $|T_s - T_p| < 35\%$  and  $|R_s - R_p| < 35\%$ ,  $45^\circ$  AOI
  - AR COATING(S2):  $R_{\text{abs}} < 1\%$ , 400 nm–700 nm,  $45^\circ$  AOI
7. CHAMFER:  $< 0.3$  mm,  $45^\circ$

DRAWING PROJECTION			<b>LBTEK</b>			
NAME	DATE	BS2R19-A				
DRAWN	LZHOU	Aug./5th/24	FLAT BEAM SPLITTER L x W x H = 36.0 mm x 25.0 mm x 1.0 mm, 400–700 nm			
APPROVAL	WCHENG	Aug./5th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			UVFS	1.98 g	1:1	A