



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):  $T_{abs}=50 \pm 8\%$ ,  $R_{abs}=50 \pm 8\%$ ,  
 $T_{abs}+R_{abs}>90\%$ ,  $T_{avg}+R_{avg}>95\%$ ,  
 $|T_p-T_s|<35\%$ ,  $|R_p-R_s|<35\%$ , 400-700nm, 45° AOI  
 AR COATING(S2):  $R_{avg}<0.1\%$ , 400-700nm, 45° AOI
7. CHAMFER: <0.2 mm, 45°

DRAWING PROJECTION			<b>LBTEK</b>			
NAME	DATE	BS2R55-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