



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):
  - $T_{\text{abs}} = 30 \pm 8\%$ ,  $R_{\text{abs}} = 70 \pm 8\%$
  - $T_{\text{abs}} + R_{\text{abs}} > 99\%$
  - $|T_s - T_p| < 35\%$  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   | BS2R73-A    |  |        |       |     |
| DRAWN  | LZHOU  | Aug./5th/24 | FLAT BEAM SPLITTER<br>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<br>NOT FOR MANUFACTURING PURPOSES |        |             | UVFS   | 1.98 g | 1:1   | A   |